

2513

BULLETIN

APPALACHIAN STATE TEACHERS COLLEGE

Member North Carolina College Conference
Member Southern Association of Colleges
Member American Association Teachers Colleges



Summer School Issue
1948

First Term June 10 to July 17

Second Term July 20 to August 27

BOONE, NORTH CAROLINA
MARCH QUARTER
NINETEEN HUNDRED FORTY-EIGHT

CALENDAR

SUMMER SESSION 1948

FIRST TERM

Registration for First Six Weeks Term	June 10
All Classes Meet in Regular Session	June 11
Fee for Late Registration	June 11
Last Day Registration for Credit Six Weeks Term	June 14
Registration for First Two Weeks Term	July 6
Close First Six Weeks Term	July 17
Close First Two Weeks Term	July 17

SECOND TERM

Registration Second Six Weeks Term	July 20
Registration Second Two Weeks Term	July 20
All Classes Meet in Regular Session	July 21
Fee for Late Registration	July 21
Last Day Registration for Credit Six Weeks Term	July 23
Registration for Trained Librarians	August 3
Close Second Six Weeks Term	August 27

NOTE

The schedule, program of instruction, and the personnel of the teaching staff announced in this bulletin are subject to such changes as may be necessary or deemed advisable by the administration.

-BULLETIN SUPPLEMENT -
Appalachian State Teachers College
Boone, North Carolina

New Series March Quarter, 1948 Vol. XLVI, No.1

The following personnel and schedule changes were made necessary after correction of proof:

- Page 33, Library Science 407, Miss Hagan, Instructor
Page 34, Library Science 411, First term, not second
 Library Science 502, 10:30 not 2:00
Page 35, Biology 205, Vertebrate Zoology
Page 38, Education 302, Both terms, Miss Robinson
Page 39, Education 319, Mr. Eggers, Instructor
 Education 405, 3:00 not 2:00
Page 40, Education 412, First term, not second term
 Education 428, Both terms, Mrs. Kirchner
 Education 451, Miss Haegele, Instructor
Page 42, Education 483, 10:30 not 10:00
Page 43, Education 507, 10:30 not 11:30
Page 44, Education 509, at 9:00, Mr. Smith, Instructor
 Education 510, at 2:00, Mr. Miller, Inst.
 Education 514, at 8:00, Mr. Smith
Page 47, Education 428, Both terms at 11:30
Page 48, History 409, Mr. Beck, Instructor
 History 427, Mr. Beck, Instructor
Page 49, History 437, Mr. Beck, Instructor
 Social Studies, 504, Mr. Beck, Instructor
 Social Studies, 505, Mr. Beck, Instructor
 Social Studies, 542, Mr. Beck, Instructor
Page 52, English 312, at 2:00 not 11:30
Page 56, Mathematics 414, 11:30 not 10:30
Page 59, Psychology 410, 8:00 not 10:30

If other changes are found to be necessary, they will be shown on the final schedule to be used on registration day.

ADDITIONAL FEES OMITTED FROM SUMMER SCHOOL ISSUE:

Music 110a, 111a, 112a,	Piano(both terms)	\$7.50
Music 110b, 111b, 112b,	Violin "	7.50
MASTER'S Cap & Gown, \$ 5.00, Diploma, \$7.50		
BACHELOR'S Cap & Gown 2.50, Diploma, 5.00		

CALENDAR

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NOTE

The schedule, program of instruction, and the personnel of the teaching staff announced in this bulletin are subject to such changes as may be necessary or deemed advisable by the administration.

Appalachian State Teachers College

BOONE, NORTH CAROLINA

New Series

MARCH QUARTER, 1948

Vol. XLVI, No. 1

SUMMER SCHOOL ISSUE for 1948

Accredited Member of

The North Carolina College Conference

The Southern Association of Colleges and Secondary Schools

The American Association of Teachers Colleges

CO-EDUCATIONAL

Issued Quarterly

Entered as second-class matter at the post office
Boone, North Carolina



THE ADMINISTRATION BUILDING

FACULTY

(Arranged in order of appointment)

- B. B. DOUGHERTY, B. S., Ph. B., D. Litt., Ed. D. ----- *President*
 Student, Wake Forest College, 1892; Student, Holly Springs College, 1893;
 Principal, Globe Academy, 1893-'94; B. S., Carson-Newman College, 1896;
 Professor, Latin and Psychology, Holly Springs College, 1896-'97; Ph. B.,
 University of North Carolina, 1899; Co-Principal, Watauga Academy, 1899-
 1903; Superintendent, Appalachian Training School, 1903-'21; Member Text
 Book Commission, 1916; County Superintendent, Watauga County 1899-1916;
 President, Appalachian Training School, 1921-'25; D. Litt., Elon College,
 1926; Ed. D., Wake Forest College, 1936; President, Appalachian State Nor-
 mal School, 1925-'27; President, Appalachian State Teachers College, 1927-
- J. T. C. WRIGHT, A. B., A. M., Ph. D. ----- *Mathematics*
 A. B., U. N. C., 1917; A. M., Peabody College, 1928; Ph. D., Peabody Col-
 lege, 1938; High School Principal, 1917-'20; Professor of Mathematics and
 Physics, Appalachian Training School, -1920-'21; Professor of Mathematics
 and Physics, Appalachian State Normal School, 1921-'27; Professor of Math-
 ematics, Appalachian State Teachers College, 1927-
- J. D. RANKIN, A. B., A. M., S. T. D ----- *Dean-English*
 A. B., Rutherford College, 1898; A. M., Oskaloosa, 1912; S. T. D., Oskaloosa,
 1922; Principal, Cleveland Schols, 1903-'05; Principal, New London High
 School, 1905-'10; Professor of English and Vice President, Scarrit-Morris-
 ville College, 1911-'14; Superintendent City Schools, Norwood, Bessemer City,
 Cherryville, 1914-'21; Professor of English, Appalachian Training School,
 1921-'25; Professor of English, Appalachian State Normal School, 1925-'27;
 Professor of English and Dean, Appalachian State Teachers College, 1927-
- A. R. SMITH, A. B., A. M. ----- *Chemistry*
 A. B., Wake Forest College, 1921; A. M., University of North Carolina, 1926;
 Professor of Chemistry, Appalachian Training School, 1921-'25; Professor of
 Chemistry, Appalachian State Normal School, 1925-'27; Professor of Chemis-
 try, Appalachian State Teachers College, 1927-
- CHAPELL WILSON, A. B., M. A. ----- *Education*
 A. B., Wake Forest College, 1920; M. A., Peabody College, 1924; Principal,
 Lumber Bridge High School, 1920-'22; General Education Board Fellowship,
 Peabody College, 1929-'30; Summer Quarter, Colorado State Teachers College,
 1931; Education and Psychology, Appalachian State Normal School, 1922-'24;
 Education and Director of the Demonstration Schools, 1924-
- V. C. HOWELL, A. B., M. A. ----- *History*
 A. B., Wake Forest College, 1920; Principal, Watauga Academy, 1922-'23;
 A. M., Columbia University, 1926; Graduate Student, University of North
 Carolina, Summer Quarter, 1930; History, Appalachian State Normal School,
 1925-'27; History, Appalachian State Teachers College, 1927-
- G. L. SAWYER, A. B., M. A. ----- *History and Sociology*
 A. B., Lenoir-Rhyne College, 1915; M. A., University of North Carolina,
 1935; Principal, Hickory City Schools, 1915-'16; Principal, Dallas Graded
 Schools, 1916-'18; Principal, Gastonia City Schools, 1918-'27; Professor, Psy-
 chology and Education, Appalachian State Teachers College, 1927-'36; History,
 1936-
- G. P. EGGERS, A. B., M. A., Ph. D. ----- *English*
 A. B., Carson-Newman College, 1927; A. M., Duke University, 1932; Harvard
 University, 1932-'33; Ph. D., Duke University, 1938; English, Appalachian
 State Teachers College, 1927-

- IDA BELLE LEDBETTER, A. B., A. M. ----- *Biology*
A. B., Meredith College; A. M., University of North Carolina; Graduate Student, University of Chicago; Biology, Appalachian State Teachers College, 1927-
- HERMAN R. EGGERS, A. B., M. A. ----- *Registrar*
A. B., Carson-Newman College, 1922; M. A., Peabody, 1927; High School Principal and Athletic Coach, 1922-'26; Elementary School Principal, Parker District, Greenville, S. C., 1927-'29; Grammar Grade Education, Appalachian State Teachers College, 1929-'33; Registrar, 1940-
- VIRGINIA WARY, B. M., M. M. ----- *Music*
B. M., University of School of Music, London, Nebraska; M. M., Cincinnati Conservatory of Music, 1940; Piano Student with Mollie Margolies, Chicago Musical College; Student in Interpretation with Rudolph Ganz, Chicago Musical College; Music, Appalachian State Teachers College, 1929-
- BARNARD DOUGHERTY, B. S. ----- *Business Manager*
B. S., Appalachian State Teachers College, 1932; Assistant Business Manager, 1929-'33; Business Manager, 1933-
- D. J. WHITENER, A. B., M. A., Ph. D. ----- *History and Government*
A. B., University of North Carolina, 1922; M. A., *ibid.*, 1923; Ph. D., *ibid.*, 1932; Student Law School, *ibid.*, 1924; High School Principal, 1924-'28; Acting Head of History Department, Lenoir-Rhyne College, 1928-'29; Teaching Fellow in History, University of North Carolina, 1929-'30; Professor, American History and Government, Appalachian State Teachers College, 1932-
- R. W. WATKINS, B. A., M. A. ----- *Physical Education*
B. A., Maryville College, 1931; Assistant Coach, High Point College, 1931-'32; M. A., George Peabody College for Teachers, 1936; Physical Education, Appalachian State Teachers College, 1932-
- STARR N. STACY, B. S., M. A. ----- *Geography*
B. S., Appalachian State Teachers College, 1935; M. A., George Peabody College for Teachers, 1938; Geography, Appalachian State Teachers College, 1935-
- WILEY SMITH, A. B., M. A., Ph. D. ----- *Psychology*
A. B., Union University, 1924; M. A., Peabody College, 1928; Ph. D., *ibid.*, 1931; High School Principal and Teacher of Science. 1921-'28; Research Adjunct Professor of Psychology, University of South Carolina, 1931-'33; Instructor in Psychology, Asheville Teachers College, 1935-'36; Instructor in Psychology in Summer Schools, Mayfield College, 1929; Peabody College, 1931; Asheville, 1936; Professor of Psychology, Appalachian State Teachers College, 1936-
- GORDON NASH, B. A. ----- *Music*
B. A., Eastern Kentucky Teachers College, 1937; Graduate Student, University of Kentucky, Summer, 1940; Music and Mathematics, Ewatts City Schools, (Ky.). 1936-'37; Music, Director of Band, Appalachian State Teachers College, 1937-
- MRS. MYRTLE BRANDON WILSON, B. S., M. A. ----- *Primary Education*
B. S., Appalachian State Teachers College. 1933; M. A., Peabody College, 1937; Critic, Elementary School, Appalachian State Teachers College, 1933-'34; Critic, University of Mississippi, 1934-'35; Critic and Primary Education, Appalachian State Teachers College, 1936; Primary Education, 1938-

- MRS. JACK HODGES, A. B., M. S. ----- *Physical Education*
A. B., Louisiana State Normal College, 1930; M. S., Louisiana State University, 1938; Grove High School, (La.), 1932-'36; Heflin High School, (Ala.), 1936-'37; Physical Education, Appalachian State Teachers College, 1938-
- LOUISE MOORE, B. S., B. S. in L. S. ----- *Library Science*
B. S., Appalachian State Teachers College, 1933; B. S. in L. S., Peabody College, 1938; M. S. in L. S., 1948; Library Science, Appalachian State Teachers College, 1938-
- LUCY BROCK, A. B., M. S. ----- *Home Economics*
A. B., University of Tennessee, 1923; Summer Study, University of California, 1926; M. S., University of Tennessee, 1931; Graduate Study, Columbia University, Summer Term, 1931; Special Problems, University of Tennessee, 1932-'33; Home Economics, Appalachian State Teachers College, 1938-
- HELEN BURCH, A. B., M. A. ----- *Dean of Women—Geography*
A. B., Woman's College of Greater University of North Carolina, 1919; M. A., Peabody College for Teachers, 1932; Graduate Study in Geography Department, Chicago University, 1936-'37; Graduate Study in Education and Geography, University of North Carolina, 1938-'40; Education, Supervisor, Teacher Training Unit, West Georgia Teachers College, 1938-'40; Awarded Rosenwald Scholarship to University of North Carolina, 1939-'40; Education, Geography, Supervisor, Teacher Training, Flora MacDonald College, 1940-'41; Education, Appalachian State Teachers College, 1942; English, 1943-'44; Geography, 1944-
- EDWIN S. DOUGHERTY, B. S., M. A. ----- *History*
B. S., Appalachian State Teachers College, 1934; M. A., George Peabody College for Teachers, 1938; History, Appalachian State Teachers College, 1938-
- CATHERINE J. SMITH, B. S., M. A. Ed. ----- *Art*
B. S., Oklahoma University, 1936; M. A., Ed., 1938; Graduate Assistant *ibid.*, 1937; 1938; Supervisor of Art, Dumright, Oklahoma, 1938-'41; Art, Appalachian State Teachers College, 1941-
- O. M. HARTSELL, A. B., M. A. ----- *Music Education*
A. B., Berea College, 1941; M. A., Columbia University, 1948; Graduate Study in voice with Bernard Taylor, Institute of Musical Art, Juillard School of Music, New York City; Graduate Study in Pipe Organ with Seth Bingham, Columbia University, New York City; Graduate Study in Piano with Henry Nelson, Juillard School of Music, New York City; Assistantship in Music and Music Education, Teachers College, Columbia University, 1947-'48; Music Education, Elementary School, Appalachian State College, 1941-'42; U. S. Army, 1942-'46; Music Supervisor and Critic in Music Education, Demonstration Schools, Appalachian State Teachers College, 1946-
- JOHN H. WORKMAN, A. B., M. A., Ph. D. ----- *Economics*
A. B., University of North Carolina; M. A., *ibid.*, 1932; Ph. D., *ibid.*, 1935; Superintendent, Maxton Graded Schools, 1919-'22; County Superintendent of Schools, Greene County, North Carolina, 1922-'25; County Superintendent of Schools, Carteret County North Carolina, 1925-'33; Teaching Fellow, Department of Education, University of North Carolina, 1931-'33; Instructor, Summer School, *ibid.*, 1932 and 1933; Instructor, Correspondence Bureau, *ibid.*, 1933-'34; Acting Head, Department of Education, Presbyterian College, 1935-'36; Regional Educational Adviser, Farm Security Administration, 1936-'40; Professor, Social Science, Atlantic Christian College, 1941-'45; Dean, Piedmont College, Georgia, 1945-'46; Economics, Appalachian State Teachers College, 1946-

- HELENA CLARDY, A. B., M. A. ----- *Library Science*
A. B., University of Alabama (Literary Science), 1937; M. A., *ibid.*, 1942; Pickensa County High School, (Ala.), 1938-'39; Roopville High School, (Ala.), 1939-'40; Jessup High School, (Ga.), 1940-'42; Librarian, High School, Appalachian State Teachers College, 1942-
- LORIS SHIPMAN, A. B., B. S., M. A. ----- *English*
A. B., Meredith College, 1919; B. S., Peabody College, 1925; M. A., *ibid.*, 1930; English, Mississippi High School, 1919-30; English, Peabody College, 1930-'31; English, Burritt College, 1931-'35; English, East Mississippi Junior College, 1936-46; English, Appalachian State Teachers College, 1946-
- W. L. MONTGOMERY, B. A., M. A., D. Ed. ----- *Grammar Grade Education*
B. A., West Virginia University, 19 ; M. A., *ibid.*, 19 ; D. Ed., University of Pittsburgh, 19 ; Critic and Supervisor of Student Teaching, Indiana State Teachers College, Critic and Instructor of Teaching, Elementary, School Appalachian State Teachers College, 1945-
- VIVIAN WOOD, B. S. ----- *Home Economics*
B. S., Georgia State College for Women, 1941; Graduate Student in Nutrition, University of Tennessee, Teachers, Glyn Academy (Georgia), 1941-'42; Vocational Home Economics, Glenville High School (Georgia), 1941-'44; Home Economics, Appalachian State Teachers College, 1944-
- BETTY SUE STONE, B. S., M. S. ----- *Home Economics*
B. S., University of Tennessee, 1943; M. S., *ibid.*, 1944; Counselor at Camp Chewase for Girls, summers, 1940-'44; Home Economics, Appalachian State Teachers College, 1944-
- JOHN G. BARDEN, B. A., M. A., Ph. D. ----- *Education*
B. A., University of North Carolina, 1922; M. A., Teachers College, 1924; Ph. D., Columbia University, 1941; Mathematics, Rocky Mount High School, 1922-'23; Education, City College of New York, 1924-'25; Principal, South Chapel High School, 1925-'26; Director of Education, Congo Mission, Africa, 1926-'36; Visiting professor of Education, Duke University, 1937-'39; Professor of Education, Presbyterian College, 1930-'44; Education, Appalachian State Teachers College, 1944-
- DARIAN DORN, B. A. ----- *Assistant Chemistry*
B. A., Lander College, 1945; Special Student, Appalachian State Teachers College, Summer Quarter, 1945; Chemistry, High School, Appalachian State Teachers College, 1945-
- W. A. HAWKINSON, B. S. ----- *Mathematics*
B. S., Washington and Jefferson College, 1928; Fellow in Mathematics and Junior Instructor in Mathematics, Johns Hopkins University, 1929-'31; Extension Teacher, Washington and Jefferson College, 1933-'35; Mathematics, Appalachian State Teachers College, 1945-
- E. C. DUGGINS, B. A., M. A. ----- *Social Sciences*
B. A., Milligan College, 1935; M. A., University of Tennessee, 1939; Doak High School, 1935-'36; Assistant football coach, Milligan College, 1937-'38; Social Sciences, and Assistant coach, Appalachian State Teachers College, 1939-
- ELLA MAY FOGG, B. S., M. A. ----- *Business Education*
B. S., Arkansas State Teachers College, 1937; M. A., Colorado State College of Education, 1944; Assistant County Superintendent of Schools, Forrest City, Arkansas, 7 years; Teacher in public schools, Arkansas and Oklahoma; Head Department of Business Education and teacher of commercial subjects, Whitworth College, Brockhaven, Mississippi; Business Education, Appalachian State Teachers College, 1944-

- DAVID R. HODGIN, A. B., A. M. ----- *English*
A. B., University of North Carolina, 1925; A. M., *ibid.*, 1926; Graduate Student, Johns Hopkins University, Summer, 1931; English Fellow, University of North Carolina, 1925-'26; Assistant Professor of English, Stephen F. Austin College, Texas, 1926-'28; Buffalo State Teachers College, 1929-'42; Appalachian State Teachers College, 1947-
- MRS. FRANCIS L. HOOVER, A. B. ----- *Business Education*
A. B., Coke College, 1941; Bennettsville High School, (S. C.), 1941-'44; Wingate Junior College, 1941-'44; Business Education, Appalachian State Teachers College, 1947-
- A. MADELAINE MCCAIN, A. B., M. P. H. ----- *Health Education*
A. B., East Carolina Teachers College, 1930; M. P. H., School of Public Health, U. N. C., 1947; High School Teaching, 1930-'45; Winthrop College, Summer Term, 1947; Health Education, Appalachian State Teachers College, 1947-
- GAIL CLAY, B. S. ----- *Physical Education*
B. S., Appalachian State Teachers College, 1943; Critic and Instructor of Teaching, Appalachian Elementary School, 1943-
- ALLEN G. MONTGOMERY, B. A., B. S., LL.B., M. A., M. S. ----- *Physics*
B. A., B. S., LL. B., M. A., M. S., University of West Virginia; Ph. D., pending, Cornell University; D. Ed., pending, Columbia University, Physics, Grove City College, (Pa.); U. S. Naval Academy, University of Delaware; Mathematics and Physics, Appalachian State Teachers College, 1946-
- LEE J. REYNOLDS, B. S., M. A., Ed. D. ----- *Elementary Education*
B. S., Ball State Teachers College, 1934; M. A., *ibid.*, 1937; Ed. D., Indiana University, 1946; Teacher fourth and fifth grades, Maxwell, Indiana, 1920-'31; Principal, Elementary School, Middletown, Ind., 1931-'36; Mathematics and History teacher, Winchester, Ind., 1936-'38; Appalachian State Teachers College Laboratory School, 1938-'43; U. S. Navy, 1943-'46; Grammar Grade Education, Appalachian State Teachers College, 1946-
- POLLYANNA GORDON, B. S. ----- *Home Economics*
B. S., Appalachian State Teachers College, 1946; Graduate Study, Woman's College, U. N. C., Summer, 1946; Graduate Study, University of Tennessee, summer, 1947; Appalachian State Teachers College, 1947-
- RENATO CASALE, B. A., B. D., M. A. ----- *Spanish*
B. A., Bloomfield College, 1933; B. D., *ibid.*, 1936; M. A., New York University, 1943; New York University, 1943-'44; University de la Habana, Cuba, 1945, Florida Military Academy, 1944-'46; Lees-McRae College, 1946-'47; Spanish, Appalachian State Teachers College, 1947-
- PAUL W. GRAFF, B. S., A. M., Ph. D. ----- *Biology*
B. S., University of Connecticut, 1917; A. M., Columbia University, 1916; Ph. D., Columbia University, 1932; Biology, Kansas State College, University of the Philippines, University of Montana, Emory and Henry College, Centenary College, Biology, Appalachian State Teachers College, 1947-
- JOHN VANNOPPEN III, A. B., M. A., Ph. D. ----- *English*
A. B., University of North Carolina, 1928; M. A., Columbia University, 1938; Ph. D., Teachers College, Columbia University, 1941; Reidsville High School, Arden Preparatory School, Mohouk School (N. Y.), Penn Hall Junior College, Hiram College, Youngstown College; English, Appalachian State Teachers College, 1947-

- INA WOESTEMEYER VANNOFFEN, B. S., M. A., Ed. D. ----- *History*
B. S., University of Kansas, 1930, M. A., Teachers College, 1933; Ed. D., Teachers College, 1937; North Plainsville High School, Woman's College, University of N. C., Hiram College, Youngstown College; History, Appalachian State Teachers College, 1947-
- W. H. MORGAN, B. S., A. M., Ph. D. ----- *English*
B. S., Vanderbilt University, 1913; A. M., University of Chicago, 1915; Ph. D., Columbia University, 1935; Iowa State University, Asheville College, Asheville-Biltmore College, English, Appalachian State Teachers College, 1947-
- MADGE M. RHYNE, B. S., H. E., M. S. ----- *Home Economics*
B. S., H. E., Woman's College, U. N. C., 1931; M. S., H. E., *ibid.*, 1941; Home Economics, high schools, 1931-'41; Brevard Junior College, 1941-'44; T V. A.-N. C. Extension Service, 1944-'47; Appalachian State Teachers College, 1947-
- EUNICE QUERY, A. B., A. B. in L. S. ----- *Library Science*
A. B., Duke University, 1931; A. B. in L. S., University of North Carolina, 1939; Hudson High School, 1931-'37; Assistant Librarian High Point School, 1937-'39; Librarian, Lenoir High School, 1939-'45; Public Library, Caldwell County, 1945-'47; Library Science, Appalachian State Teachers College, 1947-

LIBRARIANS

- WILLIAM L. EURY, A. B., B. S. in L. S. ----- *Librarian*
A. B., Duke University, 1926; B. S. in Library Science, George Peabody College for Teachers, 1937; Cataloguer, Appalachian State Teachers College, 1929; Librarian, *ibid.*, 1945-
- WILLIAM L. RHYNE, A. B., M. A., B. S. in L. S. ----- *Associate Librarian*
A. B., University of North Carolina, 1930; M. A., *ibid.*, 1937; B. S. in Library Science, *ibid.*, 1940; Instructor in Social Science in Nash and Rowan County high schools, 1930-'43; 1944-'47; Summer Assistant in Commerce Library, U. N. C., 1937-'42; Head of Circulation and Reference Assistant, Charlotte Public Library, 1943-'44; Reference Assistant, Catawba Library, 1946-'47; Associate Librarian, Appalachian State Teachers College, Summer, 1948-
- MRS. EMMA H. MOORE ----- *Librarian*
Librarian, Appalachian Training School, 1915-'24; Librarian, Appalachian State Normal School, 1924-29; Librarian, Appalachian State Teachers College, 1929-
- ALLIE AUSTIN HODGIN, B. S., B. S. in L. S. ----- *Reference Librarian*
B. S., Appalachian State Teachers College, 1934; B. S. in Library Science, George Peabody College for Teachers, 1940; Graduate Study in Library Science, Columbia University, Spring Session, 1946; Chief of Circulation, Appalachian State Teachers College, 1934-'45; Reference Librarian, *ibid.*, 1945-
- MRS. VERA C. TUNNEL ----- *Periodicals Librarian*
Graduate, Appalachian State Normal School, 1926; Librarian, Appalachian High School, 1939-'41; Periodicals Librarian, Appalachian State Teachers College, 1943-
- MARY ALICE HUFF, A. B., B. S. in L. S. ----- *Cataloguer*
A. B., Limestone College, 1938; B. S. in Library Science, George Peabody College for Teachers, 1940; Assistant Librarian, Mars Hill College, 1940-'41; Librarian, Shawsville High School, (Virginia), 1941-'42; Cataloguer, Appalachian State Teachers College, 1942-

VISITING FACULTY, SUMMER 1948

- MARY P. DOUGLAS, B. A. *Library Science*
Formerly Supervisor Library Education, North Carolina State Department of Education, Raleigh, N. C., Supervisor of libraries, Raleigh City Schools.
- MILDRED C. HERRING, B. A., B. A. in L. S. *Library Science*
B. A., East Carolina Teachers College, 1938; B. A. in Library Science, University of North Carolina, 1939; Librarian, Central High School, Greensboro, N. C.
- WILLIAM F. BECK, A. B., M. A., Ph. D. *History*
A. B., University of Pittsburgh, 1932; M. A., *ibid.*, 1933; Ph. D., *ibid.*, 1942; Principal New Eagle High School, 1938-'39; History, St. Petersburg High School, 1940-'42; History, Florida Military Academy, 1946-'47; History, Mary Baldwin College, 1947-'48
- KENNETH J. FRASURE, B. Ed., M. S., M. Ed., Ed. D. *Education*
B. Ed., Southern Illinois State University, 1937; M. S., University of Illinois, 1940; M. Ed., *ibid.*, 1945; Ed. D. *ibid.*, 1948; Principal, Blueford High School, (Ill.), 1940-'42; Supt. Humbolt High School, (Ill.), 1943-'46; Ass't. Principal University High School, Champaign, (Ill.), 1946-'48.
- ELEANOR HAEGELE, B. S. Ed., M. A., Ed. D. *Education*
B. S., Ed. State Teachers College, Minn., 1936; M. A., Teachers College, Columbia University, 1941; Ed. D., *ibid.*, 1948; Rural School, (Minn.), 1929-'30; Kindergarten, State Teachers College, (Minn.), 1930-'31; Critic, McGuffey Demonstration School, Miami University, 1941-'45; Instructor, Early Childhood Education, Teachers College, Columbia University, 1945-'46; Instructor, Early Childhood Education, Temple University, 1946-'48
- J. J. ENGERRAND, A. B., A. M., Ph. D. *French*
A. B., University, 1927; A. M., Rice Institute, 1929; Ph. D., University of Michigan, 1935; Assistant Professor and Chairman Modern Language Department, Wittenburg College.
- ERNEST H. COX, A. B., M. A., Ph. D. *English*
A. B., Carson-Newman College, 1927; A. M., University of Tennessee, 1930; Ph. D., University of North Carolina, 1936; Principal, East Waynesville School, 1927-'29; Superintendent, City Schools, Elizabethton, Tenn., 1930-'32; Graduate Assistant and Fellow, University of North Carolina, 1932-'36; Associate Professor of English, Mary Hardin-Baylor College, 1936-'38; Dean and Professor of English, Blue Mountain College, 1938-'47; English, University College, Florida, 1947-
- ALTON C. MORRIS, A. B. E., A. M., Ph. D. *English*
A. B. E., University of Florida, 1927; A. M., University of Florida, 1928; General Education Board Fellow, 1937-'38; Rosenwald Fellow, 1938-'39; Ph. D., University of North Carolina, 1940; Assistant Principal, Palm Beach Junior High School, 1922-'23; Instructor in English, Agricultural and Mechanical College of Texas, 1928-'29; Graduate Fellow, University of North Carolina, 1939-'40; Associate Professor of English, University of Denver, summer, 1942; English, University of Florida, 1929-; Editor, Southern Folklore Quarterly, 1936-
- EVELYN MONTGOMERY, B. S., M. S. *Critic, French and Spanish*
B. S., Kansas State Teachers College, 1936; M. S., *ibid.*, 1942; Head Department of Modern Languages, Okmulgee, (Okla.) High School.

- JEAN SANDUSKY, A. B., M. A. _____ *Piano*
A. B., Georgetown College, (Ky.), 1944; M. A., Teachers College, Columbia University, 1948; Assistant Professor of Music, Georgetown College, 1944-'47.
- MIKE WRIGHT, A. B., M. S., Ph. D. _____ *Biology*
A. B., University of Alabama, 1935; M. S., Vanderbilt University, 1937; Ph. D., Ohio State University, 1941; Head Department of Biology, Tusculum College.
- RUTH ROBINSON, A. B., M. A. _____ *Primary Education*
B. A., Emory and Henry College, 1929; M. A., George Peabody College, 1930; Teachers College, Columbia University, 1938-'39; Salisbury City Schools, 1930-'34; Critic and Primary Education, Appalachian State Teachers College, 1934-'40; Primary Supervisor, Bristol, (Va.), City School, 1940- ; Primary Education, Appalachian State Teachers College, Summer, 1945.
- JANE BAIR, B. S., M. A. _____ *Science Education*
A. B., Bethany College; M. Ed., University of Pittsburgh; Graduate Study, Teachers College, Columbia University; Science Education, East Orange, (N. J.), City Schools.
- LOUIS SHORES, M. S., Ph. D. _____ *Library Science*
Head, Department of Library Training Service, Florida State University, Tallahassee, Florida.
- BENEDICT A. HALL, B. A., M. A., Ph. D. _____ *Biology*
B. A., University of Pittsburgh; M. A., Cornell University; Ph. D., Cornell University; Associate Professor of Biology, Dennison University.
- DAVID H. BRIGGS, A. B., M. A., Ph. D. _____ *Psychology*
A. B., University of North Carolina, 1919; M. A., *ibid.*, 1924; Ph. D., *ibid.*, 1930; High School Principal, four years; Associate Professor of Education, Florida State College for Women, six years; Head Department of Psychology and Education, Maryville College since 1936.
- LEO R. MILLER, A. B., M. A., Ed. D. _____ *Education*
A. B., M. A., University of Missouri; D. Ed., Pennsylvania State College; Principal, Thacher School, Kansas City Missouri.

THE DEMONSTRATION SCHOOLS

CHAPELL WILSON, *Director*

HIGH SCHOOL

- HERBERT W. WEY, B. S., M. A. _____ *Principal, Education*
B. S., Indiana State Teachers College, 1937; M. S., *ibid.*, 1938; Teacher, Indiana Public Schools, 1937-'38; Critic and Instructor of Teaching, High School, Appalachian State Teachers College, 1938-'41; Principal, High School, 1941-
- HERBERT C. TRIPP, B. S., M. A. _____ *Critic, Mathematics*
B. A., Heidelberg College, 1943; M. A., Ohio State University, 1946; Graduate Assistant, Ohio State University, 1943-'44; Mathematics and Science, South Ambert High School, Ohio, 1945-'46; Mathematics, Appalachian State Teachers College, 1944-
- MARTHA M. GREY, A. B., B. S. S. A. _____ *Business Education*
A. B., Queens College, Charlotte, N. C., 1938; B. S. S. A., 1939, Queens College; Tryon High School, Gaston County, N. C., 1939-'42; Cherryville High School, Cherryville, N. C., 1942-'44; Critic and Instructor of Teaching, Appalachian High School, 1944-

- MARGARET MCINTYRE, B. S. ----- *Librarian*
 B. S., Library Science, Appalachian State Teachers College, 1945; Librarian,
 Appalachian High School, Appalachian State Teachers College, 1945-
- FAYE A. MCCARTY, B. A., M. S. ----- *Critic, Science*
 B. A., Texas Womans College, 1939; M. S., North Texas State Teachers Col-
 lege, 1945; Biology, Senior High School, Denton Texas.
- CORA H. LOVEGROVE, A. B., M. A. ----- *Critic, English*
 A. B., Alabama College for Women, 1945; M. A., Peabody College, 1947;
 English, Lexington High School, (Ala), 1945-'46; Peabody Demonstration
 School, 1946-'47; English, Appalachian High School, 1947-'48.
- JOHN LOVEGROVE, B. A., M. A. ----- *Critic, Social Studies*
 B. S., East Tennessee State Teachers College, 1941; M. A., Peabody College,
 1947; Arlington High School, (Va.), 1941-'42; Appalachian High School,
 1947-

ELEMENTARY SCHOOL

- JOHN T. HOWELL, B. S., M. A., M. Ed. ----- *Principal, Education*
 B. S., Appalachian State Teachers College, 1931; Graduate Student, Colorado
 State College of Education, Summer Quarter, 1931; M. A., Peabody College
 1933; M. Ed., *ibid.*, 1939; Instructor of Teaching, Elementary School Ap-
 palachian State Teachers College, 1931; Principal, Elementary School, 1937-
- CHRISTINE INNINGS, B. S., M. A. ----- *Critic, Grammar Grades*
 A. B., University of Kentucky, 1933; M. A., *ibid.*, 1937; Grammar Grades,
 Kentucky Public Schools, 1933-'38; Critic and Instructor, Illinois State
 Normal, 1938-'39; Grammar Grades. Michigan Public Schools, 1939-'42;
 Social Sciences, Indiana Public Schools, 1942-'43; Critic and Instructor of
 Teaching, Appalachian Elementary School, 1943-
- LOUISE ROBLES, L. I., B. S., M. A. ----- *Critic, Grammar Grades*
 L. I., Florida State College for Women, 1926; B. S., *ibid.*, 1928; M. A., Co-
 lumbia University, 1931; Post Graduate Work, New York University; Lab-
 oratory Schools, University of Florida, 1932-'34; Delaware State Department
 of Education, 1938-39; Dover, (Del.), City Schools, 1938-'39; DuPont Insti-
 tute, Wilmington, Delaware, 1942-'43.
- MRS. GRACE M. COUNCIL, B. S., M. A. ----- *Critic, Primary Grades*
 B. S., Appalachian State Teachers College. 1936; M. A., University of North
 Carolina, 1942; Student, Teachers College, Columbia University, Fall Quarter.
 1945; Primary Teacher, Charlotte City Schools, 1936-'44; Critic and Instruc-
 tor of Teaching, Elementary School, Appalachian State Teachers College, 1944-
- O. M. HARTSELL, B. A. ----- *Critic, Public School Music*
 B. A., Berea College, 1941; Public School Music, Elementary School. Appala-
 chian State Teachers College, 1941-
- JULIA TODD, B. A., M. A. ----- *Critic, Primary Grades*
 B. A., Western Kentucky State Teachers College, 1938; M. A., *ibid.*, 1939;
 Primary Teacher Bowling Green, Kentucky City Schools, 1935-'37; Critic
 and Instructor of Teaching, Elementary School, Appalachian State Teachers
 College, Summer, 1946-'47.
- EVELYN H. ARMSTRONG, B. S., M. A. ----- *Critic, Primary Grades*
 B. S., University of Tennessee, 1928; M. A., Teachers College, Columbia Uni-
 versity, 1936; Primary teacher, Chattanooga, Tenn., city schools.



WOMEN'S DORMITORY

The Appalachian Summer School

The Appalachian State Teachers College is a state institution supported by North Carolina for the training of teachers. During the past few years it has enjoyed remarkable growth and development along all lines. It is now one of the largest teachers colleges of the South. The Summer Session has grown in size of student body, scope of work offered, and quality of work done. For the past several summers the total enrollment has been from twelve to fifteen hundred each summer. Here the summer school student has a fine opportunity to meet and to exchange ideas concerning school work with teachers from every section of North Carolina and from practically every Southern state. To provide the very best instruction for Appalachian students, the college secures outstanding people in their special fields for the Summer School faculty.

LOCATION

Boone, the county seat of Watauga County, is located in the northwest corner of North Carolina. It is a thriving mountain town of two thousand inhabitants. It is almost on top of the Blue Ridge Mountains; the altitude of the college campus is 3,333 feet above sea level. Boone is 110 miles from Charlotte, 100 miles from Winston-Salem, 130 miles from Spartanburg, South Carolina, 200 miles from Columbia, South Carolina, 250 miles from Augusta, Georgia, 320 miles from Atlanta, Georgia, 310 miles from Jacksonville, Florida, 505 miles from Tallahassee, Florida, and 593 miles from Meridian, Mississippi. Hard surfaced highways lead into Boone from all sections of the country. *

Boone is the point of intersection for United States Highways, 221, 321, and 421. It is only four miles from the great Park-to-Park Highway, which connects the Shenandoah and Great Smoky Mountain National Parks.

EQUIPMENT

The College campus consists of thirty-five acres, most of which is improved and landscaped. The college owns two farms of about five hundred acres each which furnish most of the vegetables and farm products used in the college cafeteria.

The College has a total of twenty-one buildings; seventeen of brick, one of native stone, and three of wood construction. Also, it owns several homes and cottages for rent to students and college workers.

FACULTY

The college faculty includes approximately fifty people; the faculties of the training schools, twenty-five people. The training of these faculties represents the best colleges and universities in the country.

VISITING FACULTY

A number of outstanding educators from some of the most progressive public school systems of the country have been engaged for the Summer Session of 1948. Some nationally known teachers from other colleges and universities will teach courses in the Appalachian Summer School. The teachers of North Carolina and the South have an unusual opportunity to study with some of the nation's leaders in education. The reader is asked to turn back and look over the list of the visiting faculty.

SPECIAL FEATURES OF THE SUMMER SCHOOL CLIMATE

The Appalachian State Summer School at Boone is the highest summer school east of the Rocky Mountains. Boone's altitude of 3,333 feet gives it an elevation of more than 1,000 feet higher than that of any other summer school in the South. This assures a summer climate unequalled elsewhere. The days are refreshing and pleasant; the nights require blankets for comfort. Electric fans are not needed; it has been known to frost in July and August. Here is the coolest place south of New England and east of the Rockies. Rich Mountain, nearby, rises 1,150 feet higher than the campus. Here the trees are the greenest; the sky the bluest; the water the clearest. Snow birds build among the galax and rhododendron. The teacher who wishes to combine a summer of study with one of recreation in the cool mountain breezes will find opportunity offered at no other place in the South.

SIGHT SEEING

Prior to the war, Appalachian planned sight-seeing trips to many points of interest in the mountains. This part of the summer school program was suspended for the duration.

During each term of the 1948 summer session trips will be planned for the students to many points in the mountains. Special permission has been secured from the Superintendent of Blue Ridge Parkway to operate the college buses over this scenic highway during the summer sessions.

RECREATION

Opportunities for recreation at Boone are unequalled elsewhere. On top of the Blue Ridge Mountain, 3,333 feet high, the climate is cool enough for one to work or play and enjoy it. Blowing Rock is only eight miles from Boone; Grandfather Mountain is only fifteen miles away. This section is unsurpassed in Eastern America for scenic beauty and grandeur. One can play tennis, swim, wade, ride horseback, hike, mountain climb, go on the planned tours, fish for trout and bass, or just sit back in the cool shade and rest.

LIBRARY

The college has a very fine library building, fireproof and modern in every respect. It will accommodate four hundred students at one

time. It now has more than 35,000 volumes. The stack rooms have shelf capacity for 60,000 volumes.

BUREAU OF APPOINTMENT

A placement bureau is maintained by the college to assist students in obtaining positions and to aid superintendents, principals, and other public school officials to secure the people best qualified to fill their vacancies. No charge is made for this service. Appalachian has had many more calls for teachers than it has been able to supply.

LIVING ACCOMMODATIONS

The college dormitories will accommodate approximately seven hundred students. All students rooming in the dormitories will be expected to take their meals in the cafeteria. Desirable living and boarding arrangements for several hundred students can be had in the town. A representative of the college will be on duty during the opening days of each term, to assist students who may desire board and room in private homes.

CREDITS OBTAINABLE

The amount of college credit which may be earned by an average student during each summer term is nine quarter (six semester) hours. However, students with a superior rating may earn as much as twelve quarter (eight semester) hours during the summer terms, provided the application is properly approved at the time of registration. Appalachian credits are listed in quarter hours.

THE TRAINING SCHOOL AND STUDENT TEACHING

The function of the training school is to train the college student in the science and art of teaching and to demonstrate the latest approved methods of teaching. The training schools are the center of the professional work of the college. They provide opportunity for observation in all grades by college classes and by individual students. The Summer School offers organized classes in observation. The training schools will be open from June 22nd to August 14th.

EDUCATIONAL IDEALS

The educational ideal of the college is that every child in North Carolina and the South shall be taught by one of vigorous health, of high mentality, of thorough scholarship, of high professional spirit, of developed skill in the art of teaching, of pleasing personality, and of sterling character.

To this purpose and ideal the college will devote its entire resources and energy in a whole-hearted manner.

CAFETERIA

Appalachian is fortunate in having an excellent A Grade cafeteria, modern in every respect. Two large counters make it possible for the students to be served both speedily and satisfactorily. The meals

are planned by a trained dietitian and are prepared and served by a corps of capable assistants. Every effort is made to give maximum satisfaction at minimum cost. All students living in the dormitories will be expected to take their meals in the cafeteria, and all students living in college apartments or cottages will have the privilege of doing so. A minimum charge of \$35.00 will be made for each term, and meal tickets will be issued to cover this amount. Additional tickets may be purchased.

EXPENSES

The college endeavors to hold the student's expenses to the minimum. The necessary school expenses are held within the reach of that great group of people who want the best in education and training but not with extravagance and the reckless spending of money. The actual college expenses are as follows:

Registration fee for term of		Student Teaching	\$20.00
six weeks	\$5.00	Room in Lovill Home ..	\$14.00 to 17.00
Tuition for each quarter		Room in White Hall ...	\$18.00 to 21.00
hour credit	\$1.50	Room in Dauph-Blan	
Entertainment fee	\$1.00	Hall	\$22.00 to 25.00
Library fee for term of		Room in the Men's	
six weeks	\$3.00	Dormitory	\$15.00 to 20.00
Minimum charge for meals		Laundry	\$6.00
in cafeteria	\$35.00		

Extra fees are charged for some courses. See course descriptions beginning on page 27.

The above fees for rooms include lights, hot and cold running water. Each room is furnished with plain but substantial furniture.

After registration is completed, a charge of fifty cents will be made for a change in a student's course of study.

A late registration fee of \$2.00 will be made for a student registering after the first day of each term.

Students must furnish their own bed linens, blankets, pillows, towels, and necessary toilet articles. Students are required to keep their rooms in a clean and sanitary way.

ROOM RESERVATIONS

Persons desiring a room in any dormitory should send \$3.00 with their requests for reservation. Rooms are assigned in the order in which the room reservation fees are received in the Business Office, and in each case a second choice should be given when applying for a room. The higher rates for rooms are for those on the front and corners of the dormitories. The reservation fee is deducted from the room rent when the student registers for the term for which reservation was made. In no case will this reservation fee be refunded unless the student notifies the college at least one week before the opening the term for which the reservation was made.

LAUNDRY

The college operates its own laundry and dry cleaning plant for the benefit of those students living in the dormitories. It is not run for profit but rather in an effort to serve the students more adequately. Since the rates are so low, it is necessary to have an assured income with which to bear expenses. Therefore, a minimum charge of \$6.00 is made to all students living in the dormitories.

TYPE OF WORK OFFERED

The work in the summer session is similar to that in the regular year. All work offered counts either toward a Bachelor's degree in this institution and other institutions in the country, or the Master of Arts degree in education. However, special effort is made to provide courses to meet the needs of the teachers over the South. Special provision is made for:

1. Those students working toward a Bachelor's degree
2. Those who are meeting the requirements for a teacher's certificate in other states
3. Those who wish to renew their certificates
4. Those who want to raise their certificates
5. Those who desire to improve their technique of teaching
6. Those who wish to do graduate work in education leading to the Master's degree.

The work offered here counts for credit toward certificates for the following:

1. Primary Teachers
2. Grammar Grade Teachers
3. High School Teachers
4. Elementary School Principals
5. High School Principals
6. Supervisors
7. Superintendents

Special courses are offered for those teachers who already hold college degrees.

Beginning with the summer of 1944 the following special curricula are offered:

Three years of Pre-Medical Work

Two years in:

Pre-Dental Work

Pre-Law

Laboratory Technician

Pre-Nursing

Chemical Engineering

General Engineering

One year in General Agriculture

SPECIAL SHORT SUMMER TERMS

Appalachian has arranged for special short items of summer school to accommodate those teachers who feel that they cannot attend for a full six weeks summer term. A maximum of four quarter hours may be earned each two weeks term.

DATES

First two-weeks Term July 6-17

Second two-weeks Term July 20-31

Trained Librarians' workshop August 3-14

EXPENSES. A registration fee of \$5.00, tuition fee of \$1.50 per hour credit for the courses taken. Room rent in college dormitories, \$3.50 per week. Board college cafeteria (estimated) \$7.00 per week.

The following courses will be offered as listed below:

EDUCATION 444, <i>Observation, Primary Grades</i>	One hour	
Both two-weeks terms.		MR. WILSON 11:30

EDUCATION 445, <i>Observation, Elementary Grades</i>	One hour	
Both two-weeks terms.		MR. WILSON 9:00

EDUCATION 475, <i>Observation, High School</i>	One hour	
Both two-weeks terms.		MR. SIMPSON 9:00

EDUCATION 477, <i>The Use of Library Resources in Teaching</i>	Two hours	
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A two weeks program for teachers and principals on the use of library materials. Both two-weeks terms.

First Term MRS. DOUGLAS 10:30-12:30

Second Term MISS HERRING 10:30-12:30

BIOLOGY 207, <i>Nature Study</i>	One hour	
Both two-weeks terms.		MR. GRAFF 2:00

LIBRARY SCIENCE 510, <i>Librarian's Workshop</i>	Three hours	
See Department of Library Science—August 3-14.		

THE GRADUATE SCHOOL

The Graduate Council

D. J. WHITENER, B. A., M. A., Ph. D.	<i>Head, Dept. of Social Studies</i>
H. R. EGGERS, B. A., M. A.	<i>Registrar</i>
CHAPELL WILSON, B. A., M. A.	<i>Head, Dept. of Education</i>

The Graduate Faculty

WILEY SMITH, A. B., M. A., Ph. D.	<i>Psychology</i>
DAVID H. BRIGGS, A. B., M. A., Ph. D.	<i>Psychology</i>
LEE J. REYNOLDS, B. S., M. A., D. Ed.	<i>Education</i>
LEO R. MILLER, A. B., M. A., D. Ed.	<i>Education</i>
ELEANOR HAEGELE, B. S., M. A., Ed. D.	<i>Education</i>
J. C. PEELE, B. A., M. A., Ph. D.	<i>Education</i>
C. M. SAUNDERS, B. A., M. A., D. Ed.	<i>Education</i>
KENNETH J. FRASURE, B. Ed., M. Ed., E. Ed.	<i>Education</i>
GRAYDON P. EGGERS, B. A., M. A., Ph. D.	<i>English</i>
ALTON C. MORRIS, A. B. E., A. M., Ph. D.	<i>English</i>
ERNEST H. COX, A. B., A. M., Ph. D.	<i>English</i>
D. J. WHITENER, B. A., M. A., Ph. D.	<i>Social Studies</i>
INA WOESTEMEYER VAN NOPPEN, B. S., M. A., Ph. D.	<i>Social Studies</i>
JOHN H. WORKMAN, A. B., M. A., Ph. D.	<i>Social Studies</i>
WILLIAM F. BECK, A. B., A. M., Ph. D.	<i>Social Studies</i>
J. T. C. WRIGHT, B. A., M. A., Ph. D.	<i>Mathematics</i>
PAUL W. GRAFF, B. A., M. A., Ph. D.	<i>Biology</i>
BENEDICT A. HALL, B. A., M. A., Ph. D.	<i>Biology</i>
MIKE WRIGHT, A. B., M. S., Ph. D.	<i>Biology</i>
LOUISE MOORE, B. A., B. S. in L. S., M. S. in L. S.	<i>Library Science</i>
HELEN HAGEN, B. S., B. S. in L. S., M. S. in L. S.	<i>Library Science</i>
M. K. WALRAVEN, B. A., B. S. in L. S., M. Ed.	<i>Library Science</i>
LOUIS SHORES, M. S., Ph. D.	<i>Library Science</i>

GRADUATE DIVISION

History

Graduate study leading to the Master's degree was first offered in the Appalachian State Teachers College during the summer quarter of 1942. During that summer there were fifty-one students enrolled in the graduate division. Each succeeding summer has seen an increased enrollment over the preceding summer. The work offered during the past summer quarters has been on a cooperative basis with the University of North Carolina with that institution giving full credit toward the Master's degree. Beginning with the summer quarter of 1948, the Appalachian State Teachers College will accept a limited number of qualified students as candidates for the Master of Arts degree in Education, the degree to be granted by this institution.

Aim of the Graduate Division

The sole aim of the graduate division is to add to the competency of teachers and other educational workers. The entire graduate program will be made as functional as possible in order to carry out its aim. Each course offered must be justified in terms of the contribution which it may make toward a realization of the general aim of the program and the specific objectives of the individual student.

Graduate Work in Summer Session

The graduate division of the Appalachian State Teachers College is organized for the purpose of providing facilities for advanced study leading to the Master of Arts degree in Education. The work is offered during both terms of the summer session. A maximum of nine quarter hours of credit may be earned in a six weeks summer term. For the present, the program of work is restricted to the summer quarters.

Admission to the Graduate Division

The holder of the baccalaureate degree from this institution or another institution of equal rank may be admitted to graduate study at the Appalachian State Teachers College; provided, transcript of his college record and of graduate work done elsewhere shows clearly that he is able to pursue graduate work.

Students admitted to graduate study are classified as regular or special. Students who file with the Registrar a formal Application for Admission to Graduate Study, in which they declare their intention of entering upon a program of graduate study with a view to meeting the requirements for the Master's degree, are classified as regular graduate students upon acceptance of the application and approval of transcripts. College graduates who do not plan to meet the requirements for the Master's degree need not file a formal Application for Admission to Graduate Study. Such students are classified as special graduate students. They may enroll in any graduate course in which they are interested and for which they have sufficient preparation.

Admission to Candidacy for the Master's Degree

Admission to graduate study does not carry with it admission to candidacy for the Master's degree. Admission to candidacy for the degree is made only after one quarter of graduate study in this institution. Admission to candidacy for the degree, Master of Arts in Education, is contingent further upon the recommendation of the student's advisory committee and the approval of the Graduate Council. Before being accepted finally as a candidate for the degree, a student will be expected to have:

1. Given evidence of personal and professional fitness to become a candidate for a professional degree in Education.
2. Attained a satisfactory level competency through pre-service or in-service teaching experience.
3. Demonstrated ability to do satisfactory and creditable work at the graduate level.

Before filing an Application for Admission to Candidacy, students may be required also to take certain general qualifying examinations. These examinations may be oral or written or both. Advisers may arrange with the Director of Graduate Study for the administration of any such special qualifying examinations.

Each student shall file with the Director of Graduate Study an Application for Admission to Candidacy not later than three calendar months prior to the end of the summer term in which he expects to complete the requirements for the degree, but not until he has completed at least fifteen quarter hours of graduate credit at the Appalachian State Teachers College. Blanks for this purpose may be obtained at the office of the Registrar.

Registration

Graduate students register on the regular registration days at the beginning of each summer term. Registration dates are shown in the calendar. Initial registration is contingent upon the receipt and approval of transcripts of all work completed in other institutions. Transcripts of undergraduate and of graduate work done elsewhere should be sent to the office of the Registrar well in advance of initial regular graduate students upon acceptance of the Application and registration.

Program of Course Work

The degree of Master of Arts in Education may be conferred upon a student, who, having been accepted as a candidate for the degree, completes with high credit the program of work which accompanied his Application for Admission to Candidacy. This program shall include a minimum of forty-five quarter hours of advanced work, inclusive of course work and individual problems, so planned as to meet with the approval of the student's advisory committee and the Graduate Council. In addition to the forty-five quarter hours of

regular course work, the student shall write a thesis in his major field of interest. The thesis should show, among other characteristics:

- (a) Ability of the candidate to work independently on an approved problem;
- (b) A reasonably wide familiarity with the literature of the field of specialization;
- (c) A practical working knowledge of research methods;
- (d) Conclusions by supporting data.

The student must present his thesis at least three weeks before the degree is to be conferred. The thesis must be approved by the major and minor professors and by the Director of Graduate Study, and must conform to the regulations approved by the Graduate Council for writing thesis. Two typewritten and bound copies of the thesis must be filed in the college library at least one week before the degree is conferred.

Upon the recommendation of his major and minor professors and approval of the Graduate Council, the thesis requirement may be waived, provided the student completes forty-two weeks in residence and a minimum of fifty-four quarter hours of credit.

Prerequisites

Students who intend to become candidates for the degree of Master of Arts in Education are required to present a minimum of twenty-seven quarter hours of undergraduate credit in Education and related courses. Graduate work in both education and academic courses presupposes certain undergraduate course prerequisites or an equivalent background acquired through experience.

Major and Minor Requirements

All students who expect to become candidates for the Master's degree will major in Education. They may select their minors from Biology, English, Library Science, Mathematics, and Social Science. A major will consist of twenty-seven quarter hours; a minor eighteen hours in one subject field.

Minimum Residence

A residence of at least one academic year or its equivalent in summer sessions is required. The summer school equivalent is a minimum of six terms of six weeks each.

Time Limit

All work, to be acceptable for credit toward the requirements for the Master's degree, must have been completed within a period of six years preceding the date on which the degree is conferred.

Transfer Credit

Under certain circumstances, a student who holds a Bachelor's degree from an approved college of university, and who has taken

graduate work at some approved institution, may arrange to transfer as many as nine quarter hours of credit to be applied toward the requirements for the degree of Master of Arts in Education. This transfer credit, however, will not reduce the minimum residence requirement.

Course Grades and Credit

The college grading system--A, B, C, D, E, and Inc., is used to report the quality of credit. The forty-five quarter hours of graduate credit accepted in fulfillment of the requirements for the Master's degree shall average not lower than "B" grade and no credit shall be granted for a grade below a "C". Course work, reported "Incomplete" must be completed within a year of the official ending of the course.

Teaching Experience

Candidates for the Master's degree must have a minimum of three years successful teaching experience.

Degrees not Conferred in Absentia

Candidates for the degree of Master of Arts in Education are required to be present at the commencement exercises in the prescribed academic costume. Exceptions to the regulation shall be granted only upon petition to the Director of Graduate Study and the President of the College.

Assistantships

The Appalachian State Teachers College offers a number of assistantships of \$200 each for the summer quarter. These are distributed through the departments of Education, English, Library Science, Mathematics, Science, and Social Studies. These assistantships are available to persons who have the necessary qualifications and who are, or will be, prepared for graduate study by the opening of the summer session in June. Assistants are required to give educational service amounting to approximately one-third of a full program.

Any person interested in an assistantship should write the registrar for an application blank and return it properly filled out not later than May 10. Also, he should have sent to the registrar a complete transcript of his college work not later than May 10.

Expenses

It is the purpose of this institution to hold expenses to the minimum. The actual charges for six weeks in the graduate school are as follows:

Registration for term of six weeks	\$12.00
Tuition for each quarter hour	2.35
Library Fee	3.00
Minimum charge for meals in cafeteria	35.00
Rooms	\$14.00 to 25.00
Laundry	6.00

The Graduate Offering

Courses which have been approved for graduate credit by the Committee on the Graduate Offering and the Graduate Council constitute the graduate offering. Descriptions of these courses will be found in the departmental offerings in this catalogue.

Courses open only to graduate students are numbered 500 and above. Candidates for the degree of Master of Arts in Education are required to present at least thirty quarter hours of credit, in graduate courses numbered 500 and above. The remaining fifteen quarter hours may, with the approval of the Graduate Council, be selected from the senior-graduate courses numbered 400 and above.

Fields of Preparation

The work now leading to the Master of Arts degree in Education is designed to prepare teachers for the following types of positions:

Superintendent
Principal
County Supervisor
Supervisor of Student Teaching
School Librarian
Secondary School Teacher
Elementary School Teacher

The following tentative program is recommended for each type of position:

For Superintendents

Education—Methods of Research in Education	Three
Education—School Administration	Three
Education—Supervision of Instruction	Three
Education—The Curriculum	Three
Education—Extra-Curricular Activities	Three
Education—School Finance	Three
Education—Guidance	Three
Education—Electives	Six
Academic—Minor	Eighteen

For Principals

Education—Methods of Research in Education	Three
Education—Organization and Administration of Secondary Education ..	Three
Education—Organization and Administration of Elementary Education	Three
Education—The Supervision of Instruction	Three
Education—The Curriculum	Three
Education—Guidance	Three
Education—Electives	Nine
Academic—Minor	Eighteen

For County Supervisors

Education—Methods of Research in Education	Three
Education—The Supervision of Instruction	Three
Education—The Curriculum	Three
Education—Investigations in Teaching Reading	Three
Education—Use and Interpretation of Educational Tests	Three
Education—Correlating Teaching with the Library	Three
Education—County School Supervision	Three
Education—Electives	Six
Academic—Minor	Eighteen

For Supervisors of Student Teaching

Education—Methods of Research in Education	Three
Education—Correlating Teaching with the Library	Three
Education—Child Growth and Development	Three
Education—Use and Interpretation of Educational Tests	Three
Education—Supervising Student Teaching	Six
Education—Electives	Nine
Academic—Minor	Eighteen

For School Librarians

Education—Methods of Research in Education	Three
Education—The Curriculum	Three
Education—Audio-Visual Education	Three
Education—Child Growth and Development	Three
Education—Investigations in Reading	Three
Education—Guidance	Three
Education—Literature and the Child	Three
Education—Electives	Six
Academic—Minor (Library Science)	Eighteen

For Secondary School Teachers

Education—Methods of Research in Education	Three
Education—The Curriculum	Three
Education—Use and Interpretation of Educational Tests	Three
Education—Correlating Teaching with the Library	Three
Education—Extra-Curricular Activities	Three
Education—Guidance	Three
Education—Electives	Nine
Academic—Minor	Eighteen

For Elementary School Teachers

Education—Methods of Research in Education	Three
Education—Investigations in Teaching Reading	Three
Education—The Curriculum	Three
Education—Correlating Teaching with the Library	Three
Education—Use and Interpretation of Educational Tests	Three
Education—Child Growth and Development	Three
Education—Electives	Nine
Academic—Minor	Eighteen



DEPARTMENTS OF INSTRUCTION

DIVISION APPLIED ARTS

ART

ART 201, *Fundamentals of Art* Two hours
The principles of art structure in drawing, design, lettering, composition, and color. *Fee \$1.00. Both Terms* MISS SMITH 8:00

ART 202, *Drawing for Primary Grades* Two hours
Still life, perspective figure drawing, poster making, mural painting, design, and color used in visual and graphic education in primary grades. Prerequisite, Art 201. *Fee \$1.00.*
First Term MISS SMITH 2:00

ART 203, *Industrial Art for Primary Grades* Two hours
Designing and making simple forms; clay modeling, papier mache, simple weaving, paper, card-board, and wood construction; simple toys and manipulation of tools suitable for primary grades. Prerequisite, Art 201. *Fee \$1.00.*
Second Term MISS SMITH 2:00

ART 206, *Drawing for Grammar Grades* Two hours
Integration of art with other subjects figure drawing, still life, perspective and structural drawing; simple shading and mass arrangements; mural painting. Prerequisite, Art 201. *Fee \$1.00.*
First Term MISS SMITH 9:00

ART 207, *Industrial Art for Grammar Grades* Two hours
Structural designing, modeling, simple carving, papier mache, simple projects in wood construction, toys, and the use of tools suitable for grammar grades. Integration of forms of industrial design with study of the social sciences. Prerequisite, Art 201. *Fee \$1.00.*
Second Term MISS SMITH 9:00

ART 308, *Art Appreciation* Two hours
Principal forms of art developed by various cultures; architecture, painting, sculpture, interior decoration, costume design, art in handicraft and machine eras, industrial design, stage art, and commercial art. *Fee \$1.00.*
First Term MISS SMITH 3:00

ART 409, *Lettering and Posters* Two hours
Various styles of lettering and spacing, manuscript writing, principles of design applied to printed page, poster composition in pen and ink, brush, crayon, fresco, cut paper, finger paint, and poster paint. *Fee \$1.00.*
Second Term MISS SMITH 3:00

BUSINESS EDUCATION

The courses in Business Education are planned to meet the needs of three groups of students: *first*, those students who wish to earn credits on a major in Business Education; *second*, those who are pre-

paring themselves for secretarial and other office positions; *third*, those who are planning to enter the civil service as typists, stenographers, and office workers for the Federal Government.

Appalachian is well equipped with faculty and machines to offer courses in training to meet the critical needs of today for typists, stenographers, office workers, and Business Education teachers. High school graduates may begin their training here at the opening of the summer session.

BUSINESS EDUCATION 101-102, *Typewriting* Two hours each term

Mechanism, operation, and care of the typewriter; establishment of habits of rhythmic and accurate writing as the basis of speed; correct technique of arrangement, tabulation, centering, carbon copies, etc.; use of standard stroking tests and accuracy and speed tests; attainment of a speed of 40 words a minute, net, with not more than five errors. *Fee \$3.00 per term. Ten periods a week.*

First Term through Second MR. HARLESTON 8:00-10:00

BUSINESS EDUCATION 104-105, *Shorthand* Three hours each term

Mastery of the principles of Gregg Shorthand; reading shorthand plates and practice in writing sentences and letters; development of ease in dictation and transcription; accuracy emphasized as the basis of speed; ability to take dictation at the rate of 80 words a minute and to transcribe easily and accurately. *Ten periods a week.*

First Term through Second MISS FOGG 10:30-12:30

BUSINESS EDUCATION 107, *Business Correspondence* Two hours

The aim of the course is to develop accuracy and conciseness of expression and to develop ability to handle tactfully and effectively routine and special business problems through the medium of sales, adjustment, application, credit, collection, and miscellaneous letters.

First Term MR. HARLESTON 2:00

BUSINESS EDUCATION 110, 111, *Bookkeeping and Accounting*

Three hours each term

Partnership and corporation accounting, with special attention to the voucher system; classification of accounts; problems of accruals and deferred charges, reserves, and manufacturing costs; financial statements and reports.

First Term through Second MISS FOGG 8:00

BUSINESS EDUCATION 313, *Advanced Typewriting* Two hours

Advanced work in business and legal papers, manuscripts, proof reading, stencils, etc.; arrangement of unorganized material; composition and arrangement of various business letters, emphasizing letters of application; shorthand and transcription; machine dictation; attainment of a net rate of 50 words a minute; emphasis on production rate of business letters and forms. *Fee \$3.00 per term. Ten periods a week.*

First Term MR. HARLESTON 10:30-12:30

BUSINESS EDUCATION 416, 417, *Advanced Shorthand*

Three hours each term

Development of a shorthand vocabulary with a review of principles and special attention to phrasing and to the rapid execution of word signs; dictation and transcripts of varied types of material; ability to take dictation at the rate of 100 words a minute and to transcribe accurately and attractively. *Ten periods a week.*

First Term through Second Miss FOGG 2:00-4:00**BUSINESS EDUCATION 420, *Business Arithmetic***

Three hours

Rapid calculation in the fundamental process; drawings and graphs; percentage; buying and selling merchandise; commercial discounts; recording purchases and sales; paying for goods; collecting bills; accounts; taking inventory interest; discounting in notes and other commercial papers; wages and payrolls; postage; freight and express rates; property insurance; taxation.

Second Term MR. HARLESTON 2:00**HOME ECONOMICS****HOME ECONOMICS 151, *Child Development***

Three hours

Lectures, discussion, and observation of children in nursery school. Discussion and study of mental, physical, emotional, and social development of the child. No Prerequisite.

First Term MISS RHYNE 8:00**HOME ECONOMICS 208, *Elementary Nutrition***

Three hours

Relation of nutrition to health and physical fitness; elementary principles of nutrition and construction of adequate diet for different age levels; feeding problems in nutritional disease; individual need for energy, proteins, minerals, and vitamins.

Second Term MISS RHYNE 2:00**HOME ECONOMICS 253, *Child Psychology***

Three hours

Routine habits and play activities of young children in the nursery school; actual experience in guiding groups of children in learning routine habits and play; observation and discussion of the physical, mental, emotional and social growth of each child in nursery school. Prerequisite, Home Economics 151. Two hours lecture and two hours assistance in nursery school per week.

First Term MISS BROCK 3:00**HOME ECONOMICS 311, *Consumer Problems***

Three hours

Administrative and financial problems of the family; meeting wants and needs of the family by wise use of resources to secure food, housing, clothing, household furnishings, automobiles, health, education, and recreation; budgets in theory and practice as altered by changing business condition.

Second Term MISS RHYNE 3:00

HOME ECONOMICS 319, *Furniture Appreciation* Three hours
 Furniture designs in general usage, appropriate use of different styles, and effect on selection of accessories for different backgrounds. Prerequisites, Art 213, 214. *First Term* MISS RHYNE 9:00

The following courses in Institutional Management leading toward certification in the American Dietetics Association should be of special interest to Home Economics graduates and others who may plan meals for large groups.

HOME ECONOMICS 343, *Quantity Cookery* Four hours
 Practical problems in food preparation and service for large groups, use of institutional equipment, calculation of food cost, and use of standard formulae. The cafeteria kitchen serves as the laboratory. Prerequisite: Home Economics 104, 105, 106, 208, or equivalent, General Chemistry, and Organic Chemistry. *First Term* MISS WOOD
Three days 1:00-5:00; *Two days* 1:00-2:30

HOME ECONOMICS 344, *Organization and Administration: Personnel Management* Three hours
 Specific problems in organization and management as applied to feeding and housing large groups. *Second Term* MISS WOOD 3:00

HOME ECONOMICS 345, *Organization and Administration: Food Purchasing for Institutions* Three hours
 Production, distribution, grading, storage, and purchase of foods in large quantities. *Second Term* MISS WOOD 2:00

HOME ECONOMICS 427, *Home Economics Materials* Two hours
 Organized and filed illustrative material and samples in all phases of Home Economics. *Second Term* MISS RHYNE 11:30

MUSIC

MUSIC 201, *Fundamentals of Music* Two hours
 Objectives and functions of music in relation to the school; keys, syllables, scale and interval work, sight singing and ear training through melodic dictation. *Both Terms* MISS MANNING 8:00

MUSIC 202, *Music for Children* Two hours
 Consideration of music as an enjoyable and rewarding experience for all children. Presentation of curricular plans and usable materials which will provide for the continuous musical development and personal growth of the individual child. Rhythm bands, dramatic play, discriminating listening, creative expression. Kindergarten through sixth grade. Recommended for the general classroom teachers as well as the music specialist and supervisor.

Both Terms MR. HARTSELL 9:00

MUSIC 203, *Music for Children* Two hours
 Building desirable community-school relationships through music. Evaluation of appropriate materials and current procedures used in directing and presenting special and seasonal programs for both school and civic occasions. *Both Terms* MR. HARTSELL 3:00

MUSIC 222, *Wood-wind Instruments* One hour
 Class instruction for beginners on clarient, flute, oboe, and basson.
 Instruments may be rented. Open to all students.

First Term MR. NASH 2:00

MUSIC 223, *Bass-wind Instruments* One hour
 Class instruction for beginners in cornet, trumpet, trombone, bari-
 tone, French horn, and bass. Instruments may be rented. Open to
 all students.

Second Term MR. NASH 2:00

MUSIC 308, *Music Appreciation* Two hours
 Constructive listening to vocal and instrumental compositions,
 great musicians, early church and folk music.

Both Terms MISS MANNING 2:00

MUSIC 110a, 111a, 112a, *Piano* Two hours
 The work in this course will be adapted to the needs of the stud-
 ent. Hours to be arranged. Two or four hours per week.

Both Terms MISS SANDUSKY

MUSIC 334, *Conducting* Two hours
 Conducting with and without baton of both vocal and instru-
 mental organizations, reading scores. Prerequisite, twelve hours, theory
 and proficiency in some instrument. *Fee fifty cents.*

First Term MISS WARY 10:30

MUSIC 335, *Advanced Conducting* Two hours
 Opportunity for growth in power as a conductor through study
 of more difficult material. *Fee fifty cents*

Second Term MISS WARY 10:30

MUSIC 110b, 111b, 112b, *Violin* One half hour or one hour
 The work in this course will be adapted to the needs of the stu-
 dent. Hours to be arranged. Two or four hours per week.

MISS EDWARDS

EDUCATION 429, *Materials and Methods of Instrumental Work*

Two hours

Problems of organizing and directing instrumental groups; band
 and orchestra class teaching methods and materials; rehearsal proce-
 dures.

First Term MR. NASH 11:30

MUSIC 511, *School Bands* Two hours

This is a beginning course in the study of school bands and
 offers a study of all the common band instruments. The entire course
 is outlined and conducted in terms of the grade and high school bands.
 Students planning to register for this course should bring their in-
 struments with them. The Boone High School has a limited number
 of band instruments which can be rented by summer school students
 for \$3.00 per month.

Both Terms MR. NASH 3:00

HANDWRITING**WRITING 301, *Writing***

Two hours

The purpose of this course is to train the teacher not only to improve his own writing but also to be able to teach children in the elementary grades how to write. The course consists of a study of standard forms, blackboard work, and methods of teaching. It is planned especially for those whose penmanship is poor.

<i>Both Terms</i>	<i>First Term</i>	MISS VEAL	8:00
	<i>Second Term</i>	MISS CAMPBELL	8:00

WRITING 403, *Manuscript Writing*

Two hours

This course consists of the study of the standard form with sufficient exercises to develop the technique of manuscript writing; also a discussion of its relation to the language arts in the primary grade.

<i>Both Terms</i>	<i>First Term</i>	MISS VEAL	8:00
	<i>Second Term</i>	MISS CAMPBELL	8:00

LIBRARY SCIENCE

The Appalachian State Teachers College is now offering sixty-three quarter hours (forty-two semester hours) work in Library Science. The courses are designed to fit the needs of five groups of persons: *first*, teachers who desire to learn something about library methods in public school work; *second*, teachers who desire to obtain the certificates which will entitle them to serve as part-time librarians in high schools; *third*, teachers who desire to do twenty-seven quarter hours (eighteen semester hours) and qualify for the Librarian's Certificate in this or other states; *fourth*, persons who desire to do forty-five quarter hours (thirty semester hours) to qualify for full-time library work in high schools accredited by the Southern Association; *fifth*, persons working for the Master's degree who desire to elect Library Science for the graduate minor and qualify for the Graduate Librarian Certificate.

Appalachian is excellently equipped to offer courses in library science. The instructors in these courses are well trained by experience as classroom teachers, specialized training in the best library schools, and as librarians in our public schools. The courses are made as practical as possible for the library science students. The classrooms for the courses are in the college library building. The college library, the high school library, and the elementary school library are used as laboratories for the courses.

The library school has been approved by the Southern Association of Colleges and Secondary Schools and is accredited for the training of librarians.

LIBRARY SCIENCE 200a, b, c, *Field Work*

One hour each

Experience in library work to acquaint students with library organization and procedures; practice periods arranged in the school libraries; conferences.

MISS MCINTYRE

LIBRARY SCIENCE 301, *Function and Use of the Library* Three hours

Objectives and functions of the Library in relation to the school, teachers, and pupils; organizations and agencies; activities, and publicity.

Both Terms First Term MISS HERRING 11:30

Second Term MISS HAGAN

LIBRARY SCIENCE 302, *Reference and Bibliography* Three hours

Evaluation and use of reference books, including dictionaries, encyclopedias, yearbooks, atlases, and books on special subjects.

First Term MISS QUERY 2:00

LIBRARY SCIENCE 303, *Reference and Bibliography* Three hours

Continuation of Library Science 302, including reference methods and procedures, bibliography making, and teaching the use of the library.

Second Term MISS QUERY 2:00

LIBRARY SCIENCE 304, *Book Selection (General)* Three hours

Designed to give a background of general reading and to develop standards for the selection of books; includes the use of general book selection aid, reviewing of books, and the compilation of selected lists.

Second Term MISS QUERY 11:30

LIBRARY SCIENCE 305, *Book Selection for the High School*

Three hours

Desirable qualities in books for young people, criteria for selection, practice with aids in choosing books, and reading examination of books.

First Term MISS QUERY 10:30

LIBRARY SCIENCE 409, *Cataloging and Classification* Three hours

Study of the principles of cataloging and classification; practice in making catalog cards using the unit card and classifying by the Dewey Demical system.

First Term MISS MOORE 8:00-10:00

LIBRARY SCIENCE 410, *Cataloging and Classification* Three hours

Continuation of Library Science 409. In latter part of course, the preparation of an index in practice cards and organization of a manual for future use.

Second Term MISS MOORE 8:00-10:00

Senior—Graduate CoursesLIBRARY SCIENCE 407, *Organization and Administration of the School Library*

Three hours

Study of the organization and administration; methods and routines; planning and arrangement; equipment and supplies; acquisition and mechanical preparation of books; records and procedures for more effective service.

Both Terms First Term MISS HERRING 9:00

Second Term MISS CLARDY 2:00

LIBRARY SCIENCE 408, *Organization and Administration of the School Library*

Three hours

Continuation of Library Science 407.

Second Term MISS CLARDY 9:00

LIBRARY SCIENCE 411, *Book Selection for the Elementary School*

Three hours

Reading interests of children; aids in selection of books; illustrators of children's books; and the reading and examination of books suitable for the elementary and junior high school.

Second Term MISS MOORE 10:30

LIBRARY SCIENCE 412, *Book Selection for the Elementary School*

Three hours

Continuation of Library Science 411, including reading and examination of children's books in relation to their usefulness in the curriculum.

Second Term MISS HAGAN 10:30

LIBRARY SCIENCE 413, *Library Materials and Equipment*

Three hours

Acquisition, preparation, and care of supplementary materials and equipment. Includes periodicals, pamphlet file, picture file, government documents, maps, slides, etc.

First Term MISS HERRING 3:00

LIBRARY SCIENCE 414, *Advanced Book Selection*

Three hours

Continuation of Library Science 304 with attention to books in special fields.

Second Term MISS CLARDY 3:00

Graduate Courses

LIBRARY SCIENCE 501, *Use of Materials with Pupils and Teachers*

Three hours

Materials and methods for more effective use of library resources in the school. Attention to problems involved in instruction in library usage.

First Term MRS. WALRAVEN 9:00

LIBRARY SCIENCE 502, *School Library Problems*

Three hours

Study of problems in the organization and administration of library service in elementary and secondary schools.

First Term MRS. WALRAVEN 2:00

LIBRARY SCIENCE 503, *History and Development of Literature for Children and Young People*

Three hours

Survey of background of literature for children and young people. Includes history, and such topics as traditional literature, early books for children, developments and current trends.

Second Term MISS MOORE 10:30

LIBRARY SCIENCE 504, *Reading Interests and Guidance*

Three hours

Implications of research in reading interests of children and young people. Methods and materials for guidance in their use.

Second Term 9:00

LIBRARY SCIENCE 505, *Advanced Reference* Three hours
Special reference problems, methods, and materials for the large school libraries. (Not offered in 1948.)

LIBRARY SCIENCE 506, *Problems in Cataloging and Classification* Three hours
Special problems and methods in cataloging and classification. Includes problems involved in central cataloging units and handling collections of non-book materials. (Not offered in 1948.)

LIBRARY SCIENCE 507, *Reading for Adults* Three hours
Characteristics and patterns of adult reading. Reading materials according to interests, needs, and abilities. (Not offered in 1948.)

LIBRARY SCIENCE 508, *History of Books and Libraries* Three hours
Survey of the development of libraries and bookmaking from earliest times to the present. (Not offered in 1948.)

LIBRARY SCIENCE 509, *The Library and the Community* Three hours
The place of the school library in the community and its relation to the agencies and resources of the community. (Not offered in 1948.)

LIBRARY SCIENCE 510, *Librarian's Workshop* Three hours
This is a two weeks work conference course for trained librarians. Offered in second term, August 3 through August 14.

MR. SHORES 9:00-12:30

DEPARTMENT OF BIOLOGY AND CHEMISTRY

BIOLOGY

BIOLOGY 101, 102, 103, *General Biology* Nine hours
This is a foundation course for later study in botany, zoology, and psychology. Topics: Nature and scope of general biology, natural life, physiology, protoplasm, cell structures, cell nutrition, cell reproduction, cell behavior, origin, Lamarchism, evolution, Darwinism, mutation theory, Mendelism, etc. *Five recitation and four two-hour laboratory periods per week. Laboratory Fee \$1.50 per term.*

MISS LEDBETTER, *Recitation* 2:00; *Laboratory* 10:30 to 12:30

BIOLOGY 204, *General Botany* Three hours
Structure and function of flowering plants and their relation to man; structure, character, and functions of roots; structure and functions of stems and their industrial applications; nature and functions any of leaves; structures of flowers and fruits. Prerequisite, General Biology. *Laboratory Fee \$2.00. First Term.*

MISS LEDBETTER, *Recitation* 9:00; *Laboratory* 2:00 to 4:00

BIOLOGY 205, *General Biology* Three hours
Vertebrates, the theories of their origin and development, comparative structure and function, adaptation to environment, geographic

distribution, and life zones. Prerequisite, General Biology. *Laboratory Fee \$2.00. Second Term.*

MISS LEDBETTER, *Recitation* 9:00; *Laboratory* 2:00 to 4:00

BIOLOGY 206, *General Bacteriology* Three hours

Morphology and classification of bacteria, yeasts, and molds; their effects on food and their relationship to man. Prerequisite, General Biology. *Laboratory Fee \$2.00. First Term.*

Recitation 10:30; *Laboratory* 2:00 to 4:00

BIOLOGY 207, *Nature Study* Three hours

Observation of common plants, animals, flowers, trees and birds; methods of collecting, organizing, and presenting nature study materials in the grades. *Fee \$1.00. Both Terms* MR. GRAFF 2:00

BIOLOGY 221, *Embryology* Three hours

Germ cell maturation, the structural basis of heredity, fertilization, differentiation, organ history, prenatal nutrition and the elements of the physiology of reproduction are considered. Representative embryo sections are interpreted in the laboratory. *Laboratory Fee \$2.00.*

First Term MR. HALL 11:30

BIOLOGY 410, *Ornithology* Three hours

Field identification, studies in migration, nesting habits, general behavior, economic relationship, and classification.

Both Terms MR. HALL 8:00

Senior—Graduate Courses

BIOLOGY 420, *Micro-technique* Three hours

Technical methods used in preparing materials for microscopic study, practical training in preparation of permanent slides of small organisms and tissues of higher organisms. Most work done in laboratory. *First Term* MR. HALL 10:30

BIOLOGY 421, *Systematic Biology* Three hours

The classification and naming of living organisms, especially those organisms occurring in the South. An attempt will be made to meet the needs of individual students. The habits and activities of representative forms will be studied. *Second Term* MR. GRAFF 10:30

BIOLOGY 423, *Heredity and Eugenics* Three hours

A study of the basic principles of heredity and the application of these principles to the improvement of man. The relation of heredity and variation to evolution are considered.

Second Term MR. HALL 9:00

BIOLOGY 424, *Vertebrate Embryology* Three hours

A comparative study of the development of vertebrates, with special reference to the chick and pig. *First Term* MR. WRIGHT 9:00

BIOLOGY 425, *Entomology*

Three hours

A study of injurious and beneficial insects, their classification, life histories, distribution, and influence upon men. Methods of collecting and preserving insects are considered, and each student is required to prepare a representative collection.

Both Terms MR. WRIGHT 11:30

Graduate CoursesBIOLOGY 500, *Plant Ecology*

Three hours

Units of vegetation and plant succession. Factors of the habitat; soils and climate. Taxonomy of local flora and preparation of herbarium material. Five hours of lecture, laboratory, and field work each week.

First Term MR. GRAFF 3:00

BIOLOGY 501, *Animal Ecology*

Three hours

A study of the ecological factors affecting animal life in the various groups of animals (with special reference to insects.) Special attention given to the collection, identification, and recognition of local fauna. Five hours of lecture, laboratory, and field work each week.

Second Term MR. WRIGHT 8:00

BIOLOGY 502, *Fresh Water Biology*

Three hours

A study of the physical, chemical and biological factors affecting productivity in lakes, ponds, streams. Largely a field course dealing with various approved methods of studying the fresh waters of North Carolina. Experience in hydrographic survey, morphometry, and physical measurements of turbidity, thermal relations, and dissolved colors. Designed to meet the needs of teachers of science, biologists, and sanitarians.

Both Terms MR. WRIGHT 10:30

BIOLOGY 503, *Current Biological Literature*

Three hours

An introduction to current biological bulletins and journals, together with unpublished literature from various experimental and research fields in biology.

BIOLOGY 504, *Bacteriology of Water, Milk, Food and Sewage*

Six hours

Laboratory and field methods dealing with the sanitary aspects of foods and food handling; sources and kinds of bacteria in milk; water and sewage with their sanitary significance. (Not offered in 1948.)

BIOLOGY 507, *Biological Problems*

Three hours

Graduate students with an approved subject of investigation, leading to the development of their master's dissertation, may register for this course. The work will be subject to their individual needs. (Not offered in 1948.)

BIOLOGY 505, *Taxonomy of Seed Plants*

Three hours

A study of the gross and microscopic structures, reproduction, and development of the Spermatophytes is included, but greatest stress is laid upon the taxonomy of the group. Special emphasis is placed upon the classification and naming of the flowering plants.

BIOLOGY 506, *Advanced Physiology*

Three hours

An advanced course in human physiology, the functions of the circulatory, digestive, respiratory, excretory, reproductive and nervous systems will be studied.

BIOLOGY 508, *Seminar in Science*

Three or Six hours

The student will be held responsible for considerable initiative and resourcefulness. His reports to the seminar will be at stated intervals and should show ability to read critically the literature, in selected fields of science, to determine the best approach to science problems, and to summarize his studies or results in a manner acceptable for publication. Considerable emphasis will be placed on problems related to the teaching of science. (Not offered in 1948.)

CHEMISTRY**CHEMISTRY 101, 102, 103, *General Chemistry***

Nine hours

This course has for its aim the giving of a broad conception of the fundamentals principles, laws, and theories of chemical action, thereby laying the foundation for further study in the subject. A detailed study is made of the elements, oxygen, hydrogen, nitrogen, halogens, carbons, and other compounds. *Five recitations and four two-hour laboratory periods per week.*

MR. SMITH *Recitation 9:00; Laboratory 2:00 to 4:00*

CHEMISTRY 204, 205, 206, *Organic Chemistry*

Nine hours

This is a basic course in Organic Chemistry. The course covers an intensive study of the aliphatic and aromatic compounds. *Five recitations and four two-hour laboratory periods per week.* Prerequisite, one year of General Chemistry. *Laboratory Fee \$3.00.*

MR. SMITH *Recitation 8:00; Laboratory 10:30 to 12:30*

CHEMISTRY 307, *Qualitative Analysis*

Three hours

Systematic separation of metals and non-metals from unknown solution; principles of compounds; solution and mass action. Prerequisite, General Chemistry. *Two laboratory and three recitation periods per week. Laboratory Fee \$2.00. First Term.*

DEPARTMENT OF EDUCATION**EDUCATION 302, *Primary Social Studies***

Three hours

Anniversaries of historic days, stories, and activities relating to early settlers and Indians, stories of Eskimos and primitive men, memory gems, songs, games, pictures, etc., and civic virtues.

First Term MISS ROBINSON 9:00

Second Term MISS CLOWES 9:00

EDUCATION 303, *Grammar Grade Social Studies* Three hours
Materials and methods; stories, pictures, books, maps, post cards, and projector used; work covers American and European countries.
Second Term MRS. MONTGOMERY 10:30

EDUCATION 316, *Principles of Education* Three hours
Analysis of current educational procedures to discover principles involved therein: their historic development and realization in current practices.
Both Terms MR. BARDEN 2:00

EDUCATION 318, *History and Organization of Education in North Carolina* Three hours
Academy movement, establishment of public schools, destruction and rebuilding after the Civil War, revival under Aycock, equalization, and the present organization and administrative set-up.
First Term MR. WHITENER 10:30

EDUCATION 319, *History of Education* Three hours
Primitive, oriental, Grecian, Roman, Hebraic, and Saracenic conceptions of education; philosophies of monasticism, scholasticism, and humanism; reformation and subsequent movements of realism, disciplinarianism, naturalism, nationalism, devolepmentalism, scientific determinism, and experimentalism.
Second Term MR. SAUNDERS 10:30

EDUCATION 401, *Primary Reading* Three hours
Alphabet, phonic, word, and sentence methods, formation of right habits initially; classification of difficulties and techniques for overcoming them; methods of conducting oral and silent reading classes; standards for judging worth of textbooks; use of primary reading scales.
Both Terms MRS. WILSON 10:30

EDUCATION 405, *Primary Arithmetic* Three hours
Ways and means of developing number ideas and associating number symbols; fundamental number facts; addition, subtraction, multiplication, and division with integers; the decimal system; use of simple fractional parts of numbers.
Second Term MISS ROBINSON 2:00

EDUCATION 407, *Principles of High School Teachnig* Three hours
Fundamental principles and methods of teaching and their application to the different subjects in the high school.
Both Terms MR. BARDEN 9:00

EDUCATION 408, *Educational Measurements* Three hours
Investigation of tradition methods of testing and promoting children, scientific testing in school subjects; examination of some of the most widely used tests now published; typical intelligence tests and one group intelligence test. *Material Fee \$1.00.*
Both Terms MR. BARDEN 8:00

EDUCATION 410, *School Management* Three hours

Problems faced by teachers in managing schools and teaching classes.

First Term MR. BOYETTE 2:00

Second Term MR. SAUNDERS 2:00

EDUCATION 412, *Activities in Primary Grades* Three hours

Fundamental principles underlying the activity program and the practical problems involved. *Second Term* MISS ROBINSON 10:30

EDUCATION 420, *Teaching High School Mathematics* Three hours

Both Terms MR. SIMPSON 2:00

EDUCATION 423, *Teaching High School Science* Three hours

This course will include the place of biology, chemistry and physics in the present day high school course of study; the value of the sciences to the student; a consideration of the science curriculum; and methods of presenting these sciences to the students.

Both Terms MISS McCARTY 3:00

EDUCATION 424, *Teaching History* Three hours

See Department of History and Government.

Both Terms MR. LOVEGROVE 2:00

EDUCATION 425, *Teaching English* Three hours

See Department of Languages—English.

Both Terms MRS. LOVEGROVE 3:00

EDUCATION 426, *Teaching Modern Languages* Three hours

Basic principles of modern language instruction, the historical development of present methods of teaching modern languages, a survey of the present methods of teaching modern languages in the high school, and the standard text will be studied.

Both Terms MISS MONTGOMERY 2:00

EDUCATION 428, *Teaching Physical Education* Three hours

See Department of Health and Physical Education.

Both Terms MR. WATKINS 11:30

EDUCATION 429, *Methods in Music Instrumental Classwork*

First Term MR. NASH 11:30

EDUCATION 451, *Language Arts in Primary Grades* Three hours

Problems in reading, English, spelling, and handwriting in primary grades, in the light of current research. *Second Term* 9:00

EDUCATION 470, *Teaching Business Education* Three hours

Both Terms MISS GREY 8:00

EDUCATION 413, *Teaching Grammar Grade Reading* Three hours

Present-day needs, newest material, tests, etc.; instructing the child who has failed to make normal progress in reading. Only teachers with experience who desire a course in grammar grade reading should register.

Both Terms MRS. MONTGOMERY 9:00

EDUCATION 444, *Observation. Primary Grades* Two hours
For primary teachers only. *Both Terms* MRS. WILSON 11:30

EDUCATION 445, *Observation, Elementary Grades* Two hours
For grammar grade teachers only.
Both Terms MRS. WILSON 9:00

EDUCATION 475, *Observation, High School* Two hours
Observation and evaluation of teaching in the high school. After visiting the training school the class will meet with its teacher and the critic teacher observed for conference. Enrollment limited to 25.
Both Terms MR. SIMPSON 10:30

Senior—Graduate Courses

EDUCATION 446, *Diagnostic and Remedial Teaching in Grammar Grades* Three hours
Causes of maladjustment, adapting instruction to individual differences, the nature and techniques of educational diagnosis, and diagnosis and remedial teaching and subjects in the grammar grades.
Both Terms MR. HOWELL 11:30

EDUCATION 478, *Correlating Teaching with the Library* Three hours
This course is planned to help the classroom teacher better to understand the function and use of the school library and how to make greater use of it in her teaching, and to help the teacher work out plans so that she may better correlate her teaching with the school library and thereby make her subject more interesting and her teaching more effective.
First Term MRS. WALRAVEN 2:00
Second Term MISS CLARDY 2:00

EDUCATION 406, *Investigations in Teaching Arithmetic* Three hours
Investigations as to how children learn the fundamental processes, accuracy and speed a motives, denominate numbers and further use of fractions.
Both Terms MR. HOWELL 9:00

EDUCATION 411, *Literature and the Child* Three hours
This course is an interpretation and critical study of literature suitable for children.
Both Terms MISS ROBINSON 2:00

EDUCATION 481, *Improving Teacher Personality* Three hours
This course includes such topics as the nature of wholesome adult personality, analysis and diagnosis of adult personality, the concept of a "pattern" in personality, typical ways of changing personality "pattern", and the effects of teacher personality impact upon pupil personality development.
First Term MR. MILLER 2:00

EDUCATION 482, *Improving Primary Instruction* Three hours
This course is planned to help the primary teacher to better understand the child, to select, organize and present primary teaching materials.
Both Terms MISS HAEGELE 11:30

EDUCATION 483, *Improving Elementary Instruction* Three hours

This course is planned for the elementary teacher to help her better understand the elementary child, to help her to select, organize and present teaching materials, to evaluate and develop her own teaching effectiveness. *Both Terms* MR. MILLER 10:00

EDUCATION 462, *Science in Kindergarten and Primary Grades*

Three hours

A course planned to help teachers understand the concepts which children derive from the experience of daily living and consider the materials and conditions necessary to make their concepts more accurate and meaningful. Some of the professional content in science essential to the classroom teacher of young children is represented and discussed. A portion of the time of this class will be spent in serving science teaching in the Demonstration School.

Second Term MISS BAIR 9:00

EDUCATION 463, *Science in the Elementary Grades* Three hours

A course in science for elementary school workers. It includes content for the classroom teacher dealing with the earth, its relationship to other astronomical bodies, its forces and its history, conditions necessary to life, physical environment of life, adaptations and interrelationship of plants and animals, and man's attempt to utilize natural forces. A portion of the time of this class will be spent in observing science teaching in the Demonstration School.

Second Term MISS BAIR 10:30

Graduate Courses

EDUCATION 500, *Research in Education* Three hours

Involves the study of types of research, the selection of problems, the collection and classification of data, organization, presentation and interpretation of materials. *Both Terms* MR. FRASURE 3:00

EDUCATION 501, *Basic Principles and Techniques in Education Administration*

Three hours

This course will include the basic principles involved in school administration and is designed particularly for teachers who wish to get a review of the fundamentals of the organization and administration of American public schools, and for students desiring to prepare later for general administrative positions. Attention will be given to the organization, administration, and financial support of public schools in federal, state, and local school districts; work of school boards; retirement and tenure; professional ethics; public relations; and relationships of the teacher in modern educational administration.

Second Term MR. SAUNDERS 8:00

EDUCATION 502, *Organization of Administration
of Secondary Schools*

Three or six hours

(a) Organization of secondary school units; housing; selecting and assigning staff; schedule-making; organization of guidance and of extra-curricular activities.

(b) Organization of student participation in government and management.

Both Terms MR. FRASURE 11:30

EDUCATION 503, *Elementary School Organization
and Administration*

Three hours

The qualifications, duties and opportunities of the elementary school principal as an educational leader will be studied. Particular attention will be given to the practical organization of the staff, administrative organization of the program, provisions for needs of individual children, library service, and health education.

Both Terms MR. MILLER 11:30

EDUCATION 504, *Supervision of Instruction*

Three hours

The nature and function of supervision, recent trends in theory and practice, teacher participation in policy formation, the organization of planning of supervision, and the training and qualifications of the supervisor.

Both Terms MR. REYNOLDS 10:30

EDUCATION 505, *Curriculum Construction: General Principles*

Three hours

The general principles and techniques of curriculum construction on both elementary and secondary school levels comprise the major part of this course. Special attention will be focused upon recent trends in curriculum revision and organization in modern schools.

Both Terms MR. REYNOLDS 9:00

EDUCATION 506, *Guidance in the School*

Three hours

This course comprises an introduction to the philosophy, areas, techniques, and plans of organization of guidance.

Second Term MR. SAUNDERS 9:00

EDUCATION 507, *Growth and Development of the School Child*

Three hours

A study of the changes in emotions, attitudes and interests which take place during the adolescent years. The underlying physiological changes are, of course, not neglected.

Both Terms MISS HAEGELE 11:30

EDUCATION 508, *Philosophy of Education*

Three hours

The biological, psychological and sociological principles underlying modern life in a democracy will be examined critically as a basis for a sound philosophy of modern education.

First Term MR. PEELE 2:00

EDUCATION 509, *Use in Interpretation of Education Tests and Measurements*

Three hours

(a) Study of the needs for objective measure of educational outcomes is first made. There follows a treatment of the elementary principles of test construction, of the criteria used in the selection and appraisal of tests, and of the best techniques to be used in construction informal classroom tests. A thorough analysis of the principles of the construction of standard tests is made as well as a survey of the tests in one or more fields.

Both Terms MR. MILLER

EDUCATION 510, *Extra-Curricular Activities*

Three hours

Extra-curricular activities which modern schools are expected to carry out as a part of their educational program.

Second Term MR. SAUNDERS 2:00

EDUCATION 511, *Investigation in Reading*

Three hours

Recent investigations of reading abilities and their import; children's interests in reading; analysis of the content of readers now in use in schools and libraries; diagnostic and remedial work.

Both Terms MR. BRIGGS 10:30

EDUCATION 512, *Mental Hygiene in Teaching*

Three hours

Application of mental hygiene principles of the everyday problems of the school—in the classroom, on the playground, in the relation of the teacher and children, teacher and administration, parent and teacher.

Both Terms MR. SMITH 3:00

EDUCATION 513, *Teaching and Supervision of the Language Arts in the Elementary Grades*

Three hours

Oral and written expression; reading and children's literature.

First Term MISS HAEGELE 2:00

EDUCATION 514, *The Problem of Maladjustment among Children*

Three hours

Factors of personality maladjustments, of delinquency, and of emotional instability; various methods of therapy to be followed in the treatment of the more typical behavior difficulties. Case studies will be used to analyze such classroom problems, fear, jealousy, social maladjustments, and failures.

Both Terms MR. SMITH

EDUCATION 515, *Audio-Visual Education*

Three hours

Some attention will be given to the historical approach as well as to the philosophy of audio-visual education. Special emphasis will be given to types of audio-visual aids, necessary educational procedures, and the administration of audio-visual instruction. (Not offered in 1948.)

EDUCATION 516, *Investigations in Teaching High School English*

Three hours

A critical study of the literature pertaining to English investigations, particularly in the teaching of grammar, composition, and literature. (Not offered in 1948.)

EDUCATION 517, *Investigations in Teaching Mathematics* Three hours

A critical study of the investigative and theoretical literature dealing with the teaching of mathematics. (Not offered in 1948.)

EDUCATION 518, *Organization and Supervision of Student Teaching*

Six hours

This course is planned for students preparing for critic teaching or supervision of student teaching. Study of appropriate techniques for directing the work of student teachers. Particular attention is given to teaching students how to plan lessons, conduct class discussion, analyze pupil difficulties, and evaluate pupil achievement. Continuous course.

Both Terms MR. FRASURE 9:00

EDUCATION 519, *County School Supervision*

Six hours

This course is planned for students preparing for positions as county supervisors. (Not offered in 1948.)

EDUCATION 520, *Public School Finance*

Three hours

A course dealing with the business administration of the school system. Includes topics bearing upon sources of revenue, school costs, school economics, bond issues, building campaigns, budgetary procedure, financial accounting, indebtedness, and educational inequalities. (Not offered in 1948.)

DEPARTMENT OF HEALTH and PHYSICAL EDUCATION

PHYSICAL EDUCATION 110, *Personal Health*

Three hours

The application of personal hygiene as a means of improving living; development of an intelligent attitude toward modern problems of individual health.

First Term MRS. HODGES 8:00

PHYSICAL EDUCATION 123, *First Aid*

Three hours

Taught by certified first aid instructors; satisfactory completion carries with it a Standard Certificate in First Aid from the American Red Cross.

Both Terms MR. WATKINS 2:00

PHYSICAL EDUCATION 147, *Community and School Hygiene*

Three hours

Principles of sanitation and their application to the spread and control of communicable diseases; hygiene and sanitation of the school plant; local, state, and national laws affecting sanitation.

Second Term MRS. HODGES 8:00

PHYSICAL EDUCATION 211, 212, *Human Anatomy and Physiology*

Three hours each

A continuing course covering two quarters in human anatomy and physiology. Prerequisite, Physical Education 110 and 147.

Both Terms MISS MCCAIN 11:30

PHYSICAL EDUCATION 250, *Active Social Games* Two hours

Skills and applied techniques in badminton, volleyball, handball, shuffleboard, paddle tennis, table tennis, and other social games.

Second Term MISS CLAY 10:30

PHYSICAL EDUCATION 216, *Principles and Organization of Physical Education* Three hours

Type and scope of the content of physical education, the time allotment in different grades, adaptation to conditions, and the varying factors of the attitude of teachers and communities toward the subject.

First Term MR. BROOME 10:30

Second Term MR. HOOVER

PHYSICAL EDUCATION 248, *Folk Rhythms* Two hours

American and English folk games, rhythms, and dances.

Both Terms MRS. KIRCHNER 8:00

PHYSICAL EDUCATION 318, *Playground Supervision and Administration* Three hours

In addition to classroom work the student will spend one period per day on the playground of the demonstration schools under the supervision of the teacher. Prerequisite, junior ranking.

First Term MISS CLAY 10:30

PHYSICAL EDUCATION 413, *Health Education* Three hours

Methods and materials course for health education, correlation of health education with other school subjects, preparation of the teacher to promote a planned health program in the classroom and the school. Prerequisite, Physical Education 110 and 147.

Both Terms MISS MCCAIN 9:00

PHYSICAL EDUCATION 426a, *Swimming* One hour

This is the beginning course in the fundamentals of swimming, diving, and life saving.

Both Terms MR. WATKINS AND MISS CLAY 3:00

PHYSICAL EDUCATION 426b, *Swimming* One hour

A continuation of Swimming 426a.

Both Terms MR. WATKINS AND MISS CLAY 4:00

PHYSICAL EDUCATION 435, *Intramural Sports* Three hours

Organization of teams and activities, administration of an intramural program in high schools, recreational centers, and industrial plants; actual experience as officials in the college intramural program.

First Term MR. BROOME 8:00

Second Term MR. HOOVER 8:00

PHYSICAL EDUCATION 437, *Coaching Basketball* Two hours

This course will include the principles of the game, requirements for each position, individual and team coaching, systems of offense

and defense, value of long and short passing, interpretation of rules, team organization and training. Separate sections for men and women.

First Term MR. BROOME AND MRS. KIRCHNER 3:00

Second Term MR. HOOVER 3:00

PHYSICAL EDUCATION 451, *Quiet Social Games* Two hours

Games of a quiet nature which can be played in the home, their place in a program of leisure time activities, and their contributions to a more abundant life.

First Term MRS. HODGES 6:00

PHYSICAL EDUCATION 455ab, *Horseback Riding* Two hours

The course will provide twenty hours of horseback riding. Horses will be available for additional riding for the students registered in this course and other students and faculty in the summer school at most reasonable prices. Offered on sufficient demand. *Fee for horseback riding \$20.00 per term. Beginning and advanced section each term.*

Both Terms

PHYSICAL EDUCATION 456, *Planning the Recreation Program*

Three hours

One hour each day will be devoted to lecture and discussion on such important topics as basic philosophy, principles and practices, current trends, financing the program, method and procedure, leadership training, organization and administration, facilities, equipment supplies, activities, etc.

Both Terms MR. WATKINS 11:30

EDUCATION 428, *Teaching Physical Education* Three hours

This is a textbook course of the approved methods of teaching physical education in the elementary and high school. Prerequisite, Senior ranking.

Both Terms MRS. KIRCHNER 2:00

DEPARTMENT OF SOCIAL STUDIES

HISTORY

HISTORY 104, 105, 106, *Survey of Civilization* Nine hours

This is a survey course of civilization from ancient times to the present. Major emphasis is given those early cultures which affected western civilization most and those influences that meant so much to medieval and modern history. MR. PRITCHETT, *Recitation*, 2:00 and 3:00.

HISTORY 201, *American History, 1492-1815* Three hours

General survey of colonial, revolutionary, federal and early national period.

Both Terms MRS. VANNOPPEN 2:00

HISTORY 202, *American History, 1815-1880* Three hours

Continuation of History 201. *Both Terms* MRS. VANNOPPEN 8:00

HISTORY 203, *American History, 1880-1941* Three hours

Continuation of History 202. *Both Terms* MR. HOWELL 9:00

- HISTORY 308, *Economic History* Three hours
 Historical development of modern economic society and its institutions.
First Term MR. SAWYER 8:00
- HISTORY 315, *Current History* One hour
 State, national, and international current events.
- HISTORY 410, *Ancient History* Three hours
 Oriental, Egyptian, Greek, and Roman history to the decline of the empire in the west.
First Term MR. DUGGINS 2:00
- HISTORY 412, *Medieval History* Three hours
 Medieval history from the fifth century to 1500.
Second Term MR. HOWELL 10:30
- EDUCATION 424, *Teaching History in High School* Three hours
 This course is designed for the student who is making history his major. It deals with problems and methods of teaching history in high school.
Both Terms MR. LOVEGROVE 2:00
- HISTORY 420, *Nineteenth Century Europe* Three hours
 European civilization from 1815 to 1914.
First Term MRS. VANNOPPEN 11:30

Senior—Graduate Courses

- HISTORY 409, *Recent United States History* Three hours
 The United States since 1900, with emphasis on economic, social, humanitarian, cultural phases, and political development.
First Term 10:30
- HISTORY 413, *North Carolina History, 1663-1828* Three hours
 Settlement and territorial expansion, development of political institutions, immigration, cultural attainment, the Revolution, adoption of a constitution, and economic and political development after the war.
First Term MR. WHITENER 8:00
- HISTORY 414, *North Carolina History, 1828-1947* Three hours
 Sectional controversies, internal improvements, slavery and the Civil War, reconstruction, and recent educational and industrial developments.
Second Term MR. WHITENER 8:00
- HISTORY 421, *Recent Europe* Three hours
 Description and explanation of the world conditions in 1914, the World War, readjustments that followed in each country, analysis of present day European civilization.
First Term MR. DUGGINS 11:30
Second Term MRS. VANNOPPEN 11:30
- HISTORY 427, *The Old South* Three hours
 The Southern State preceding the Civil War, with emphasis on the social economic, and political organizations and movements.
Second Term 3:00

HISTORY 437, *The New South*

Three hours

The Southern states after the Civil War, with emphasis on social, economic, and political developments. *First Term* 3:00

SOCIAL STUDIES 438, *Resource-Use Education*

Six hours

A study to discover the possible local problems in the field of natural, human, and social resources. An exploration of these problems directing application of the findings to the living experiences of society. The techniques and materials used in conducting these studies will be evaluated.

This course will require two hours each morning, permitting time for an additional course. Afternoons will be reserved for research and field work *First Term* MR. WORKMAN AND STAFF 10:30-12:30

Graduate Courses

SOCIAL STUDIES 504, *Formation of the American Union*

Three hours

An examination of the factors which made the American Union. The chief emphasis will be on the period from the Revolutionary Era to about 1800. *First Term* 8:00

SOCIAL STUDIES 505, *Civil War and Reconstruction*

Three hours

A study of the rise of Southern nationalism, Civil War, and Reconstruction. *Second Term* 8:00

SOCIAL STUDIES 510, *Current Economic Problems of the United States of the United States*

Three hours

An analysis of the fundamental problems in American society. As far as practicable problems of North Carolina and the South will be emphasized. (Not offered in 1948.)

SOCIAL STUDIES 516, *Geographic Aspects of World Affairs*

Three hours

A geographic analysis of major world movements and events. Associating the physical environment with social, political, and racial factors. (Not offered in 1948.)

SOCIAL STUDIES 522, *Problems in North Carolina History*

Three hours

Major economic, political, and social problems will be studied. (Not offered in 1948.)

SOCIAL STUDIES 530, *Contemporary South*

Three hours

Land and its use, economic and cultural resources, and major historical heritages will be studied (Not offered in 1948.)

SOCIAL STUDIES 542, *History of American Foreign Policy*

Three hours

A survey of American foreign policy from Washington to present. *Second Term* 10:30

SOCIAL STUDIES 544, *International Law*

Three hours

The emphasis in this course will be placed on the development of the agencies which form the legal basis of world cooperation and world federation. (Not offered in 1948.)

SOCIAL STUDIES 580, *Historiography* Three hours
 An analysis of the historical method as it applies to research, criticism, and writing of history. A brief history will be included.
First Term MR. WHITENER 9:00

GOVERNMENT

GOVERNMENT 201, *Government of the United States* Three hours
 The organization and operation of the federal government.
Both Terms MR. HOWELL 8:00

GOVERNMENT 302, *Recent Political Thought* Three hours
 Major trends in recent and contemporary political thought.
First Term MR. DUGGINS 8:00

GOVERNMENT 303, *American State Government* Three hours
 State government and administration in the United States. Pre-requisite, Government 201. *Second Term* MR. WHITENER 10:30

ECONOMICS

ECONOMICS 201, *Introductory Economics* Three hours
 Economic problems primarily for students who are not social science majors designed to give sufficient economic knowledge for an intelligent approach to current problems.
First Term MR. WORKMAN 8:00

ECONOMICS 210, *Principles of Economics* Three hours
 Economic principles to acquaint the student with the economic organization of society. *Second Term* MR. PRITCHETT 8:00

ECONOMICS 211, *Contemporary Economic Problems* Three hours
 Economic principles applied to some of the major contemporary economic problems. Prerequisite, Economics 210.
Second Term MR. PRITCHETT 9:00

ECONOMICS 402, *Personal Finance* Three hours
 Personal economics, with emphasis on the wise handling of personal and family funds. *First Term* MR. PRITCHETT 11:30

GEOGRAPHY

GEOGRAPHY 101, *Principles of Geography* Three hours
 Emphasis on place geography for geographical vocabulary; earth relations, latitude, longitude, rotation, revolution; factors of climate: temperature, moisture, winds, plains, plateaus, mountains, rivers, etc.
First Term MR. STACY 8:00

GEOGRAPHY 102, *Human Geography* Three hours
 Earth conditions on types of industry; social organization and government; the function of applied science in adaptation.
Second Term MR. STACY 8:00

GEOGRAPHY 103, *Economic and Commercial* Three hours

Geographical features involved in production, consumption, and conservation of commercial products of the United States; food resources: cereals, animals, vegetables, and fruits; power, textiles, etc.

Second Term MR. STACY 9:00

GEOGRAPHY 309, *Geography of South America* Three hours

Geographical regions of South America; political divisions, cities, commerce, industry, and probable future trends.

Second Term MISS BURCH 11:30

GEOGRAPHY 411, *Introductory Geology* Three hours

Origin and significance of the earth's surface features, and agencies affecting changes in the earth's surface; common rocks and rock-forming minerals, with emphasis on those of Western North Carolina.

First Term MR. STACY 9:00

GEOGRAPHY 412, *Geology of North Carolina* Three hours

Soil, climate, and subjacent rock formation in North Carolina.

Second Term MR. STACY 2:00

SOCIOLOGY

SOCIOLOGY 301, *Educational Sociology* Three hours

A general introductory course in the educational approach to sociology.

First Term MR. SAWYER 2:00

SOCIOLOGY 302, *Rural Sociology* Three hours

The rural community: origin and development, population status, social, economic, and religious institutions, recent improvements, and probable future trends.

Second Term MR. SAWYER 2:00

SOCIOLOGY 305, *Propaganda* Three hours

The psychology and technique of propaganda and its influence upon human behavior.

First Term MR. SAWYER 9:00

SOCIOLOGY 403, *The Family* Three hours

The family from the standpoint of sociology and psychiatry: its background, modifications caused by cultural changes, recent problems, and mass and individual readjustments.

Second Term MR. SAWYER 9:00

DEPARTMENT OF LANGUAGES

ENGLISH

ENGLISH 101, *Grammar and Composition* Three hours

Fundamentals of oral and written composition.

First Term MR. MORGAN 8:00

ENGLISH 102, *Grammar and Composition* Three hours

Continuation of English 101. *First Term* MR. MORGAN 11:30

ENGLISH 103, *Grammar and Composition* Three hours
Continuation of English 102.

Second Term MISS FARTHING 8:00

ENGLISH 204, 205, 206, *English Literature* Nine hours

A survey of English literature from its beginning to the twentieth century. Prerequisites, English 101, 102, 103. This is a twelve-weeks course. No registration accepted for second term only. *Five times per week*, MR. VANNOPPEN, 8:00; *Four times per week*, 9:00; *Five times per week*, MR. HODGIN AND MISS SHIPMAN, 10:30; *Four times per week*, 11:30.

ENGLISH 307, *American Literature* Three hours

A survey of American literature. Prerequisite, Junior standing.

First Term MR. MORGAN 10:30

ENGLISH 308, *American Literature* Three hours

Continuation of English 307.

Second Term MISS FARTHING 10:30

ENGLISH 309, *American Literature* Three hours

Continuation of English 308.

Second Term MISS FARTHING 11:30

ENGLISH 311, *Contemporary Literature* Three hours

Present day essayists, poets, dramatists, short-story writers, and novelists of England and America, and their representative works.

First Term MR. VANNOPPEN 2:00

ENGLISH 312, *Literature for Children* Three hours

Choosing and presenting the literature of childhood to children in the elementary grades.

Both Terms MRS. COUNCIL 11:30

ENGLISH 314, *Literature for Grammar Grades* Three hours

Similar to English 312, but for children in the upper grades.

Both Terms MRS. MONTGOMERY 3:00

ENGLISH 325, *The Short Story* Three hours

Development of the short story in America and tendencies in the contemporary short story of America and England.

Second Term MR. VANNOPPEN 11:30

ENGLISH 327, *Modern Drama* Three hours

British and American dramas since World War I, with emphasis on their social and literary value.

Second Term MISS SHIPMAN 9:00

ENGLISH 358, *Vocabulary Building* Three hours

A course designed to increase vocabulary and improve diction through systematic study of the derivation, formation, and meaning of words and word groups.

First Term MR. HODGIN 9:00

ENGLISH 450, *Advanced English Grammar* Three hours
Both Terms MR. EGGERS 10:30

Senior—Graduate Courses

ENGLISH 417b, *Shakespeare's Comedies* Three hours

An analytical study of four representative comedies; oral and written reports on additional comedies and collateral reading.

First Term MR. MORRIS 9:00

ENGLISH 417c, *Shakespeare's Tragedies* Three hours

Intensive study of *Macbeth*, *Hamlet*, *King Lear*, and *Othello*; oral and written reports on additional tragedies and collateral reading.

Second Term MR. COX 9:00

ENGLISH 418, *Poetry of the Romantic Period* Three hours

The poetry of Wordsworth, Coleridge, Shelley, Byron, and Keats, with some attention to the minor poets of the period.

First Term MR. MORRIS 10:30

ENGLISH 419p, *Poetry of the Victorian Period* Three hours

The poetry of Tennyson, Browning, Arnold, Rossetti, Swinburne, and others.

Second Term MR. EGGERS 8:00

ENGLISH 431, *Milton* Three hours

Rapid reading of Milton's poetry, with major emphasis on *Paradise Lost* and *Paradise Regained*. Collateral readings from the prose works.

Second Term MR. COX 11:30

Graduate Courses

ENGLISH 505, *History of the English Language* Three hours

Origin and development of the language; the relation of English to other languages.

First Term MR. MORRIS 11:30

ENGLISH 511, *English Drama, 1550-1600* Three hours

First Term MR. EGGERS 8:00

ENGLISH 512, *English Drama, 1600-1642* Three hours

Prerequisite, English 511. *Second Term* MR. COX 10:30

ENGLISH 535, *Victorian Prose* Three hours

A study of selected writings by Macaulay, Newman, Carlyle, Ruskin, Arnold, and Pater.

Second Term MR. EGGERS 9:00

ENGLISH 561, *Literary Criticism* Three hours

The history of literary criticism from Aristotle to the end of the nineteenth century.

First Term MR. EGGERS 9:00

ENGLISH 562, *The English Novel* Three hours

The history of the novel in England from its beginnings to the close of the nineteenth century, with special emphasis on its social significance. (Not offered in 1948.)

SPANISH

SPANISH 104, 105, 106, *Intermediate Spanish* Nine hours

Advanced grammar and composition; conversation, reading of standard Spanish authors. This course covers the second years of the languages and will continue for full quarter. *Nine hours per week.*

Both Terms (to be supplied) 2:00 to 4:00

SPANISH 310, 311, 312, *Survey of Spanish Literature* Nine hours

This course will include a survey of Spanish literature from 1680 to the present time. *Nine hours per week.*

Both Terms 10:30 to 12:30

FRENCH

FRENCH 207, 208, 209, *Advanced Conversation, Composition and Grammar* Nine hours

A year's course designed to give the student complete knowledge of the use of the language, so that he will be prepared not only to read French but to write it and converse in it as well. Prerequisite, one year of French. *Nine hours per week.*

Both Terms MR. ENGERRAND 10:30 to 12:30

FRENCH 413-415, *Language and Civilization* Nine hours

A course designed to give the student a thorough review of the principles of the French language and the French culture. *Nine hours per week.*

Both Terms MR. ENGERRAND 2:00 to 4:00

DEPARTMENT OF MATHEMATICS AND PHYSICS

MATHEMATICS

MATHEMATICS 104, *College Algebra* Three hours

A review of high school algebra, radicals, quadratics, functions and their graphs, and advanced topics in quadratics, ratio and proportion, variation, progressions, and systems of equations involving quadratics.

First Term MR. WRIGHT 8:00

MATHEMATICS 105, *College Algebra* Three hours

Continuation of Mathematics 104; complex numbers; theory of equations, determinants, partial fractions, permutations and combinations, probability, sequences, and series. *Term* MR. WRIGHT 8:00

MATHEMATICS 106, *Plane Trigonometry* Three hours

Trigonometric functions of an acute angle with simple applications to the solution of right triangles; trigonometric functions of

any angle; identities, variations of the functions, line values, graphs, fundamental relations, reduction of formulae, logarithms, solution of the oblique triangle, addition theorems and related formulae, inverse trigonometric functions, and trigonometric equations.

First Term MR. WRIGHT 10:30

MATHEMATICS 207, *Plane Analytic Geometry* Three hours

The two coordinate systems with applications, the straight line, and the circle. Prerequisite, Mathematics 104, 105, 106.

First Term MR. MONTGOMERY 3:00

MATHEMATICS 208, *Plane Analytic Geometry* Three hours

Continuation of Mathematics 207: transformation of coordinates, transcendental equations, general locus problems, conic sections and empirical equations.

Second Term MR. MONTGOMERY 3:00

MATHEMATICS 218, *Engineering Drawing* Three hours

The topics covered in this course include drawing-board work on lettering, projections sections, pictorial drawings with working drawings related to machinery tracing and blue-printing.

First Term MR. HAWKINSON 10:30 to 12:30

MATHEMATICS 219, *Mechanical Drawing* Three hours

Introductory course with instruction in the use of instruments, geometrical constructions, free hand lettering: orthographic projection, shading sections, pictorial representations, irregular curves and working drawings of machine parts.

Second Term MR. HAWKINSON 10:30 to 12:30

MATHEMATICS 221, *Descriptive Geometry* Three hours

The objective of this course is to develop the student's visualizing ability in the problems involving points, lines, single curved, double curved and warped surfaces, their tangent lines, planes and intersections, shades and shadows, and perspective. *Fee \$1.00.*

Second Term MR. HAWKINSON 8:00

MATHEMATICS 222, *Elementary Surveying* Three hours

A study of the theory, use, and adjustments of ordinary surveying and calculation of areas. A complete and detailed survey is made of a section of the campus or city and each student is required to make a map of it, from his notes taken in the fields. *Fee \$1.00. First Term, recitation two days per week, 2:00; Field work, three days per week.* MR. HAWKINSON 2:00 to 3:00

MATHEMATICS 223, *Higher Surveying* Three hours

This is a continuation of course 222. Prerequisite, Mathematics 222. *Fee \$1.00. Second Term, recitations two days per week, 2:00. Field work three days per week* MR. HAWKINSON 2:00 to 3:00.

MATHEMATICS 310, *Calculus*

Three hours

Theory of limits, differentiations, applications of the derivative, successive differentiation and applications, differentiation of transcendental functions and applications, parametric equations, polar equations, roots, graphical solutions of important curves, and differentials. Prerequisite, Mathematics 207, 208. *First Term* MR. WRIGHT 9:00

MATHEMATICS 311, *Calculus*

Three hours

Integration of various functions, constant of integration, definite integral and applications, and integration by the process of summation. Prerequisite, Mathematics 310.

Second Term MR. WRIGHT 9:00MATHEMATICS 312, *Calculus*

Three hours

The theorem of mean value with applications, curvature, radius and circle of curvature, formal integration by various devices, reduction formulae, centroids, fluid pressure, series, expansion of functions, partial differentiation with applications, and multiple integrals with applications. Prerequisite, Mathematics 310.

Second Term MR. WRIGHT 10:30MATHEMATICS 316, *Arithmetic for Teachers*

Three hours

The mathematical skills which are needed by teachers of arithmetic.

First Term MR. TRIPP 8:00EDUCATION 420, *Teaching High School Mathematics*

Three hours

The objective of high school mathematics, a background for appreciation purposes, general principles of secondary education applied to material, and suggestions for auxiliary activities.

Both Terms MR. SIMPSON 2:00**Senior—Graduate Courses**MATHEMATICS 414, *Theory of Equations*

Three hours

Imaginary numbers, theorems on the roots of an equation, the solution of cubic and quartic equations, and Newton's and Horner's methods of solving equations of the n th degree. Prerequisites: Mathematics 310, 311, 312.

First Term MR. WRIGHT 10:30

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APPALACHIAN STATE TEACHERS COLLEGE

MATHEMATICS 415, *College Geometry*

Three hours

Advanced problems in geometric construction, geometric loci, similar and homothetic figures, medians, altitudes, bisectors, and the nine-point circle. Prerequisites: Mathematics 310, 311, 312.

Second Term MR. WRIGHT 11:30MATHEMATICS 417, *Differential Equations*

Three hours

Definitions and applications, equations of the first order and the first degree with applications, equations of the first order and higher degree than the first, singular solutions, linear differential equations with constant co-efficients, and linear equations of the second order. Prerequisites: Math. 310, 311, 312. *First Term* MR. WRIGHT 12:30

MATHEMATICS 423, *History of Mathematics* Three hours

The men who made mathematics, the historical development of the various branches, theory of numbers, calculating devices, and weights and measure.

MATHEMATICS 425, *Elementary Mathematical Statistics* Three hours

Graphs and notation, moments, cumulative frequency, the normal law, trend and ration charts, correlations, regression, frequency curves, sampling. Prerequisites: Mathematics 310, 311, 312.

Second Term MR. WRIGHT

MATHEMATICS 426, *Synthetic Projective Geometry* Three hours

The projective relationships between primitive forms, the projective properties of forms of second order, involution. Prerequisites: Mathematics 310, 311, 312.

Graduate Courses

MATHEMATICS 501, *Higher Algebra* Three hours

Polynomials and fundamental properties, properties of determinants, linear dependence, linear equation, matrices, invariants, bilinear forms, quadratic forms. Prerequisites: Mathematics 310, 311, 312.

First Term MR. WRIGHT

MATHEMATICS 502, *Higher Algebra* Three hours

A continuation of the first course in Higher Algebra. Topics studied include the general properties of polynomials, factors of polynomials in one or more variables, binary forms, integral rational invariants, symmetric polynomials. Prerequisite, Mathematics 501.

Second Term MR. WRIGHT

MATHEMATICS 504, *Advanced Calculus* Three hours

Indeterminate forms, power series, partial differentiation, implicit functions, applications to geometry, the definite integral gamma and beta functions, and line, surface, and space integrals. Prerequisites: Mathematics 301, 311, 312.

First Term MR. WRIGHT 2:00

MATHEMATICS 505, *Advanced Calculus* Three hours

A continuation of the first course in Advanced Calculus. Topics studied include vector notation, differential equations of the first and higher orders, Bessel functions, partial differentiation equations, calculus of variations, functions of a complex variable. Prerequisite, Mathematics 504.

Second Term MR. WRIGHT 2:00

MATHEMATICS 506, *Mathematical Theory of Statistics* Three hours

Errors and numerical computation, finite differences, interpolation, gamma and beta functions, probability, averages and aids in their computation, moments, the normal curve, statistical series correlation theory. Prerequisite, Mathematics 505. (Not offered in 1948.)

MATHEMATICS 507, *Advanced Differential Equations* Three hours

Solution of equations of higher order than the first, integration in series, total differentiation, systems of simultaneous equations, partial differential equations of the first and higher orders. Prerequisite, Mathematics 417. (Not offered in 1948.)

MATHEMATICS 508, *Solid Analytical Geometry and Determinants***Three hours**

Equations of the plane and the right line in space, quadric surfaces and their equations, the conoid and its transformations, applications of determinants and matrices. Prerequisites: Mathematics 310, 311, 312. (Not offered in 1948.)

MATHEMATICS 509, *Theory of Numbers***Three hours**

Properties of the rational integers, divisibility, greatest common divisor, solution of simple congruences, quadratic residues, reciprocity law, quadratic forms. Prerequisites: Mathematics 310, 311, 312. (Not offered in 1948.)

MATHEMATICS 510, *Seminar***Three hours**

The student will be required to submit and present materials relative to mathematical topics or subjects and to defend his statements and conclusions with respect to them. Ideas may be presented by the teacher or originate with the student. (Not offered in 1948.)

PHYSICS**PHYSICS 301, 302, 303, *General Physics*****Nine hours**

A year's study of the elements of the science from both the theoretical and practical standpoints. Primary consideration is given the fundamental laws and principles which underlie all advanced theories and problems. *Fee \$1.50 each term.*

This course will require the same amount of work in twelve weeks during the summer quarter as is done in thirty-six weeks during the regular year. *No registration accepted for six weeks in this course. Five recitation periods and four two-hour laboratory periods per week. Fee \$2.00.* MR. MONTGOMERY, *Recitation 8:00; Laboratory 10:30 and 11:30.*

PHYSICS 404, *Optics***Three hours**

An introduction to advanced physical and geometrical optics. Four lectures per week with double laboratory periods substituted for lectures as needed. *Fee \$2.00. First Term* MR. MONTGOMERY 9:00

PHYSICS 405, *Modern Physics***Three hours**

Atomic structure, origin of spectra, X-rays, and electronics. Four lectures per week with double laboratory periods substituted for lectures as needed. *Fee \$2.00. First Term* MR. MONTGOMERY 9:00

PHYSICS 406, *Mechanics***Three hours**

Primarily a problem-solving course. Four lectures per week with double laboratory periods substituted for lectures as needed. *Fee \$2.00. Second Term* MR. MONTGOMERY 9:00

PHYSICS 408, *Electricity and Magnetism*

Three hours

Designed to cover thoroughly the fundamentals of direct-current electricity and give an introduction to alternating current electricity. Four lectures per week with double laboratory periods substituted for lectures as needed. *Fee* \$2.00. *Second Term* MR. MONTGOMERY

DEPARTMENT OF PSYCHOLOGY**PSYCHOLOGY 301, *General Psychology***

Three hours

The fundamental problems and techniques of psychology and physiological bases of behavior, sensation and perception, habit and memory, imagination, reasoning, will and personality.

First Term MR. BRIGGS 8:00**PSYCHOLOGY 302, *Elementary Educational Psychology***

Three hours

The facts and principles of psychology in relation to: the educational process, the individual child, problems and emotional stress and discipline, the course of learning, retention and reproduction problems, of transfer, and general training. *First Term* MR. PEELE 9:00

PSYCHOLOGY 305, *Child Psychology*

Three hours

Factors relating to the physical, mental, social, emotional, and personality development of children; significant contributions and techniques now employed in child psychology.

Both Terms MR. REYNOLDS 3:00**PSYCHOLOGY 306, *Psychology of Adolescence***

Three hours

Development during the teens, with special reference to the general life problems facing the youth of these ages; how to aid young people in the attainment of moral, social and intellectual maturity; testing devices for studying development trends and behavior problems will be stressed. Prerequisites, Psychology 301, 302. Required of all high school majors. *Second Term* MR. BRIGGS 11:30

PSYCHOLOGY 407, *Mental Hygiene*

Three hours

Emotional and mental health, psychological and psychiatric principles essential for understanding behavior problems, and the role of the teachers in the hygiene program of the school.

First Term MR. BRIGGS 11:30**PSYCHOLOGY 410, *Social Psychology***

Three hours

Factors which underlie the development of social behavior in the individual and the race, the social aspects of motivation, suggestion, attitudes, propaganda, crowd behavior, leadership, religious activity, social misconduct, and war.

Second Term MR. BRIGGS 10:30

THE TRAINING SCHOOL

The training schools, high school and elementary school, will open on June 22nd and run for two months. The work in the elementary school will cover the seven grades. The work in the high school will cover the high school subjects. In these schools, the demonstration classes are taught by the regular faculty of the school.

Any person who registers in the college summer school and has children of school age may enter them in the elementary school without cost. High school students may enter the high school upon payment of a tuition fee of \$7.50 per unit of credit. All students in both schools will furnish their own books and supplies.

Capable high school students, by intensive work, may earn from one to one and a half units of credit in the summer term. Until the classes are filled, the high school will be open to any one of good moral character. Approximately one hundred and twenty-five high school students can be taken care of in these classes. Good boarding and rooming accommodations can be had in town.

Anyone writing concerning high school work should address:

PROF. BEN SIMPSON
APPALACHIAN HIGH SCHOOL
BOONE, NORTH CAROLINA

Anyone writing concerning elementary school work should address:

PROF. JOHN T. HOWELL
APPALACHIAN ELEMENTARY SCHOOL
BOONE, NORTH CAROLINA

THE APPALACHIAN SUMMER SCHOOL
for
North Carolina and the South

BOONE, NORTH CAROLINA

First Term June 10 to July 17

Second Term July 20 to August 27

Program for Summer 1948

1. An accelerated program that will enable college students to enter here at the beginning of summer session June 10th and complete the course for the B. S. degree as follows:
 - A. College sophomores at August 1950.
 - B. College juniors at the close of fall session 1949.
2. Program of studies to enable college students, of this or other institutions, to earn credits towards the bachelor's degree.
3. Program of studies to enable the teachers of the South to complete the requirements for the bachelor's degree at this institution during the summer sessions.
4. Special courses for the classroom teachers who may be more interested in improving their technique of teaching than adding to their college credits.
5. Courses which meet the requirements for the North Carolina Elementary Principal's Certificate.
6. Courses which meet the requirements for the North Carolina High School Principal's Certificate upon the basis of six weeks study here.
7. Courses which meet the requirements for the Supervisor's Certificate in North Carolina.
8. Courses which meet the requirements for the Superintendent's Certificates in North Carolina.
9. A program of graduate study leading to the Master's degree which may be completed in three summer quarters.
10. Two special two-weeks summer terms: July 6-17; July 20-31.
11. A two-weeks workshop course for trained Librarians August 3-14.